

# Kentucky Occupational Outlook to 2010

Cashiers ~ Special Education Teachers ~ Food Service  
Managers ~ Child Care Workers ~ Electrical Engineers ~  
Printing Machine Operators ~ Electricians ~ Bartenders ~  
Loan Officers ~ Registered Nurses ~ Hazardous  
Materials Removal Workers ~ Pharmacists ~  
Hotel, Motel, and Restaurant Managers ~  
Librarians ~  
Computer ~  
Interior ~  
Bailiffs ~  
Specialists ~ Carpenters ~ Bakers ~ Bus Drivers ~ Airline  
Pilots ~ Bookbinders ~ Roofers ~ Postal Service Clerks



**Education Cabinet**

Department for Employment Services

Frankfort, Kentucky 40621

# **KENTUCKY OCCUPATIONAL OUTLOOK TO 2010**

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## **A LABOR MARKET INFORMATION PUBLICATION BY: Research and Statistics Branch**

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## Preface

Which jobs will be in demand in Kentucky from now until 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest between 2000 and 2010? Which are likely to decline? This report offers some insight into these often asked questions. Students, job seekers, counselors, and others should all find this report helpful.

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within the Research and Statistics Branch developed both this publication and the projections within it.

The estimates in this report reflect only the **demand** for labor from 2000 through 2010. The **supply**, or the number of educated/trained workers to fill future job openings, is beyond the scope of this report.

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## Highlights

- The Kentucky economy is expected to average over 76,000 new jobs annually between 2000 and 2010.
- The shifting structure of the Kentucky economy will continue as always down its long-term path.
- Nearly a quarter of the new jobs created between 2000 and 2010 will be in the two largest occupational groups—Office and Administrative Support Occupations and Production Occupations.
- Computer and Mathematical Occupations is by far the fastest growing group of occupations with 68.4 percent growth, a good 17 percent above the next fastest growing group, Occupational and Physical Therapist Assistants and Aides.
- Healthcare Support Occupations are projected to grow a very fast 35.3 percent because of the need to care for aging Kentuckians due to a longer life expectancy.
- Architecture and Engineering Occupations are expected to grow at a rate just above the growth rate for all occupations at 16.3 percent.
- Office and Administrative Support Occupations are expected to grow a slow 11.3 percent between 2000 and 2010.
- Farming, Fishing, and Forestry Occupations overall will likely continue to decline, but at a slower pace than in the recent past.
- Installation, Maintenance, and Repair Occupations are expected to grow a relatively slow 13.6 percent between 2000 and 2010.
- There are significant monetary payoffs for attending any postsecondary school, and there is even a greater payoff for completing a postsecondary degree.

- Occupations requiring higher levels of education are increasing in share of total employment between 2000 and 2010.
- Low pay is given for jobs requiring only short-term, on-the-job training. Pay is significantly higher for jobs requiring long-term, on-the-job training, but this category is projected to grow the slowest among all categories at 11.4 percent between 2000 and 2010.
- Occupations requiring moderate-term on-the-job training provide the best opportunities for persons not considering college, with an annual growth rate of 13.3 percent, an average annual wage of approximately \$27,000, and over twice as many average annual job openings as those occupations requiring long-term training.
- Occupations usually requiring a Master's degree are expected to grow the fastest of all education/training groups between 2000 and 2010.
- For persons considering college, a Bachelor's degree provides the largest number of job opportunities.
- Occupations that require a Master's degree are expected to grow 26.2 percent as a group between 2000 and 2010, the highest among all groups.
- Of the occupations generally requiring a first professional degree, all but one lie in the field of Healthcare Practitioners and Technical Occupations. Lawyers are the exception.
- The average annual growth rate for Primary, Secondary, and Special Education Teachers resides below the growth rate for all occupations; Special Education Teachers alone, however, are projected to grow at the high rate of 26.2 percent.
- Occupations requiring short-term on-the-job training account for nearly half of the total average annual job openings.
- Changes in technology, work processes, automation and the demand for products/services are among the major causes of projected employment change—both growth and decline—among all occupations.

## A User's Guide to Occupational Outlook Statistics

*When looking at an occupation, what key outlook data should you review?*

- 1) "Annual Job Openings (2000-2010)" The annual openings estimate the likely annual demand for workers in each occupation.
- 2) "Job Growth Rate (2000-2010)" The job growth rate shows the percentage each occupation is likely to grow or decline between 2000 and 2010.

*What creates job openings?*

- 1) Employment growth (new jobs); and
- 2) Employment separations (job vacancies created by persons leaving an occupation). The **employment separation rate** for an occupation is the rate at which workers leave that occupation.

*What creates employment change?*

- 1) **Industrial growth or decline** has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.
- 2) **Technological change** can raise the demand for some skills while eliminating the need for other skills. As this shift progresses, demand in the industry as a whole may be rising or falling.
- 3) **New ways of doing business** such as self-service, 24-hour operations, etc., can affect employment change.

*Do workers leave some occupations more than other occupations?*

Yes. Every occupation has a different employment separation rate. Occupations requiring more education and training have a higher percentage of full-time workers and lower separation rates. Occupations requiring less education tend to have higher separation rates.

*What factors affect the number of jobs openings for an occupation?*

- 1) The overall size of the occupation—how many workers are employed now?
- 2) The occupation's separation rate—how many job vacancies are created from workers leaving the occupation?
- 3) The occupation's rate of change—how fast is the occupation growing or declining?

*Which factors are most important?*

The overall employment size and the separation rate are more important than the rate of change in affecting the number of job openings.

*Which is the best way to compare one occupation with another?*

- 1) Look at the total "Average Annual Job Openings" and not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.

## Kentucky Occupational Outlook to 2010

The future is never certain, but it can be very useful to look ahead and try to determine the likely employment outlook for the Kentucky economy through the year 2010. Labor market conditions in Kentucky have been favorable for employment in recent years, and the long-term job outlook projects a continuation of that trend.

### ***The Kentucky economy will generate over 76,000 new jobs annually***

The Kentucky economy is expected to increase by over 315,000 new jobs from 2000 through 2010. An additional 449,000 job vacancies will likely occur as workers leave or separate from various occupations in Kentucky. Such job vacancies become available from retirements, promotions or transfers within occupations. This means the Kentucky economy will generate over 76,000 new jobs per year through 2010 to be filled by newly educated and trained workers.

### ***The shifting structure of the Kentucky economy will continue down its long-term path***

The 2000 to 2010 employment outlook will vary greatly among the specific occupations presented in the Kentucky Occupational Outlook and Job Openings table on pages 27-68. However, the structure of the major occupational divisions will shift moderately from 2000 through 2010 (see Chart 1, page 5).

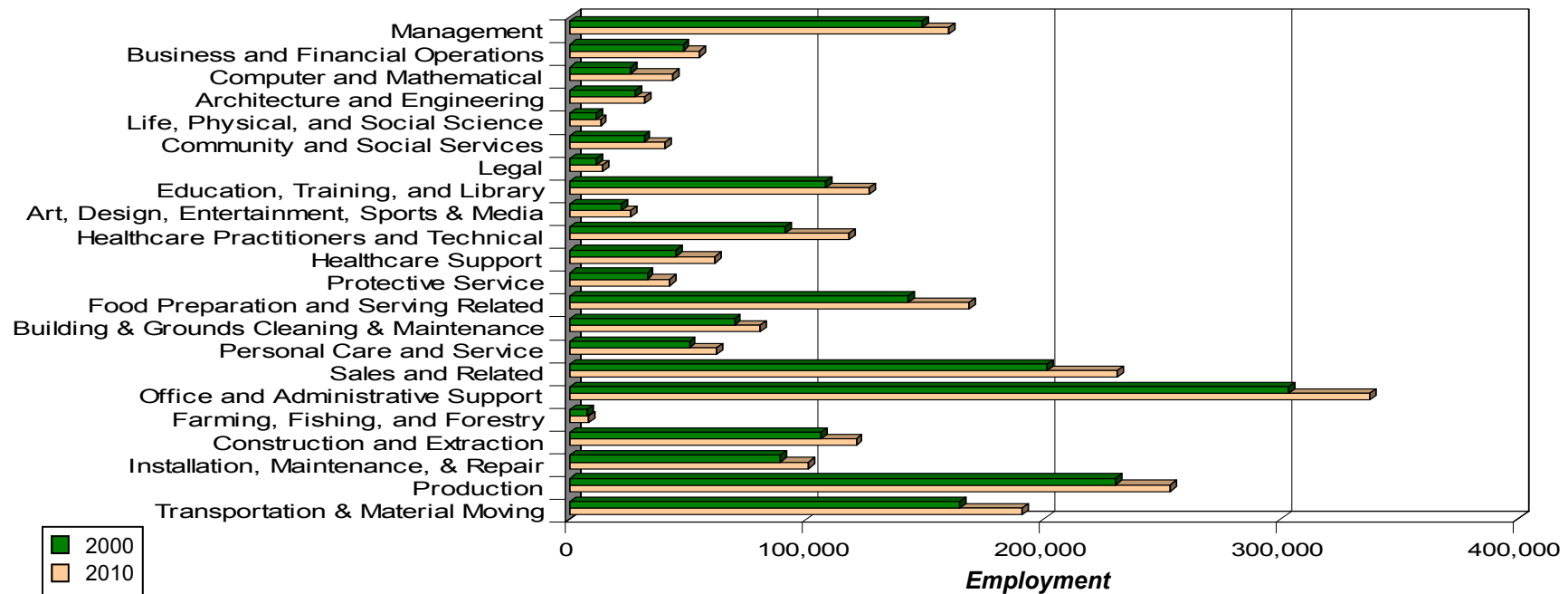
### ***Nearly a quarter of the new jobs created between 2000 and 2010 will be in the two largest occupational groups***

Employment in the two largest major occupational groups—Office and Administrative Support Occupations and Production Occupations—will grow 11.3 and 10.1 percent, respectively, between 2000 and 2010, and will add the most jobs over the ten year period (see Table 1, page 6). These two major groups, which differ somewhat in terms of educational attainment, are expected to provide over 22 percent of the total job growth from 2000 to 2010.

### ***Computer and Mathematical Occupations reflect the fastest growth among all groups of occupations***

Computer and Mathematical Occupations as a group are projected to grow between 2000 and 2010 at a very fast pace—68.3 percent—over four times the average rate of growth for all occupations. Growth in Computer Software Engineers over the ten-year period is projected at an astounding 94.4 percent.



**CHART 1****Kentucky Employment by Major Occupational Category*****Healthcare Support Occupations are projected to grow very fast***

Among the various healthcare occupations, Healthcare Support Occupations are expected to grow a very fast 35.3 percent because of the need to care for aging Kentuckians due to their longer life expectancy. Many of these occupations, including Medical Assistants and Physical Therapist Assistants and Aides, are expected to increase by over 50 percent.

***Office and Administrative Support Occupations and Sales and Related Occupations will together comprise a fifth of the projected total of job openings between 2000 and 2010***

Office and Administrative Support Occupations and Sales and Related Occupations will grow at a rate slightly slower than the average rate of growth for all occupations through 2010 but will together equal about one fifth of the total number of projected job openings between 2000 and 2010.

TABLE 1 Employment and average annual job openings, 2000-2010, by occupational categories									
Occupation		Employment				Change		Total Average Annual Job Openings by Occupation Category	
		Number		Percent Distribution		2000-2010		2000-2010	
Category	Code	2000	2010	2000	2010	Number	Percent	Number *	Percent Distribution
Total, All Occupations		1,966,484	2,282,245	100.0%	100.0%	315,761	16.1%	76,437	100.0%
Management Occupations	11	148,677	159,663	7.6%	7.0%	10,986	7.4%	3,038	4.0%
Business and Financial Operations Occupations	13	47,802	54,822	2.5%	2.4%	7,020	14.7%	1,596	2.1%
Computer and Mathematical Occupations	15	25,784	43,383	1.3%	1.9%	17,599	68.3%	1,969	2.6%
Architecture and Engineering Occupations	17	27,457	31,940	1.4%	1.4%	4,483	16.3%	1,023	1.3%
Life, Physical, and Social Science Occupations	19	11,456	12,905	0.6%	0.6%	1,449	12.6%	452	0.6%
Community and Social Services Occupations	21	31,359	40,136	1.6%	1.8%	8,777	28.0%	1,359	1.8%
Legal Occupations	23	11,479	13,994	0.6%	0.6%	2,515	21.9%	343	0.4%
Education, Training, and Library Occupations	25	108,075	126,313	5.5%	5.5%	18,238	16.9%	4,026	5.3%
Art, Design, Entertainment, Sports & Media Occs.	27	21,616	25,908	1.1%	1.1%	4,292	19.9%	708	0.9%
Healthcare Practitioners and Technical Occs.	29	91,017	117,854	4.6%	5.2%	26,837	29.5%	4,614	6.0%
Healthcare Support Occupations	31	45,090	61,000	2.3%	2.7%	15,910	35.3%	2,368	3.1%
Protective Service Occupations	33	32,629	41,975	1.7%	1.8%	9,346	28.6%	1,864	2.4%
Food Preparation and Serving Related Occs.	35	142,714	168,225	7.3%	7.4%	25,511	17.9%	8,819	11.5%
Building & Grounds Cleaning & Maintenance Occs.	37	69,480	80,252	3.5%	3.5%	10,772	15.5%	2,373	3.1%
Personal Care and Service Occupations	39	50,395	62,117	2.6%	2.7%	11,722	23.3%	2,324	3.0%
Sales and Related Occupations	41	201,216	230,787	10.2%	10.1%	29,571	14.7%	9,272	12.1%
Office and Administrative Support Occupations	43	303,146	337,297	15.4%	14.8%	34,151	11.3%	9,896	12.9%
Farming, Fishing, and Forestry Occupations	45	7,151	7,926	0.4%	0.3%	775	10.8%	258	0.3%
Construction and Extraction Occupations	47	105,983	120,766	5.4%	5.3%	14,783	13.9%	3,373	4.4%
Installation, Maintenance, & Repair Occupations	49	88,793	100,903	4.5%	4.4%	12,110	13.6%	3,041	4.0%
Production Occupations	51	230,386	253,550	11.7%	11.1%	23,164	10.1%	7,317	9.6%
Transportation & Material Moving Occupations	53	164,779	190,529	8.4%	8.3%	25,750	15.6%	6,404	8.4%
* Total average annual number of job openings does not agree with Kentucky Occupational Employment Outlook and Job Openings Tables because negative growth is omitted and occupational adjustments.									
Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch									

***All other major occupational categories will grow slower than the average for all occupations or will decline***

Office and Administrative Support Occupations are expected to grow a slow 11.3 percent between 2000 and 2010. Advances in technology and office procedures will slow growth in these occupations.

Operators, Fabricators, and Laborers as a group are projected grow about 13.8 percent through 2010. These occupations should continue with slow to average growth as the economy cycles.

Construction and Extraction Occupations are expected to grow a slow 13.9 percent. This is significantly higher than the national growth rate for this group of occupations, however.

## Education Pays

Many factors go into determining one's success in the future workplace of Kentucky. However, education will continue to be one of the most critical factors to one's success in gaining employment in a chosen field. While there are many reasons besides money for selecting a career, the more education you have the more money you can traditionally earn. In fact, the value of education has increased during the past 20 years. Table 2 below clearly shows the current general monetary value of education within the state.

### ***There are significant payoffs for attending any postsecondary school***

From the data listed in Table 2, one can clearly see the benefits of each level of achieved training and education. The smallest training category, which consists of all degrees higher than a Bachelor's Degree, earns by far the most on average. Those occupations that generally require a Bachelor's Degree or a Bachelor's Degree with Work Experience earn markedly less than those requiring a Postgraduate Degree, but they still earn a great deal more on average than those occupations that normally require an Associate's Degree or Postsecondary Vocational Training.

It is important to note that the category consisting of occupations generally requiring an Associate's Degrees or Postsecondary Vocational Training can be somewhat misleading statistically. The group, when combined, earns less on average than the category consisting of occupations generally requiring Work Experience in a Related Occupation or Long-Term, On-the-Job Training. This does not necessarily imply that there is no benefit in attaining an Associate's Degree. Occupations requiring an Associate's Degree account for a little less than half of the some 140,000 occupations in this category with an average annual wage of over \$38,000; occupations requiring Postsecondary Vocational Training make up the rest with an average annual wage of about \$28,500.

The bulk of Kentucky's workforce continues to reside in those occupations requiring either Moderate-Term or Short-Term On-the-Job Training. These categories, when combined, account for over half of the state's total employment. This reflects the Kentucky economy's persistent reliance on manufacturing and services in recent years. With technology expanding throughout the workforce, however, many of these occupations will require additional skills and training in the future.

<b>TABLE 2: 2001 Average Annual Kentucky Wage Estimates by Training Category</b>			
<b>Training Category</b>	<b>Training Code</b>	<b>Total Employment</b>	<b>Average Annual Wage</b>
Postgraduate	1, 2, 3	60,490	\$61,391
Bachelor's Degree & Bachelor's Degree with Work Experience	4, 5	281,892	\$48,600
Associate's Degree or Postsecondary Vocational Training	6, 7	140,629	\$33,309
Work Experience in a Related Occupation or Long-Term OJT	8, 9	296,684	\$34,118
Moderate-Term OJT	10	393,998	\$27,760
Short-Term OJT	11	710,069	\$19,244

## Education and Training

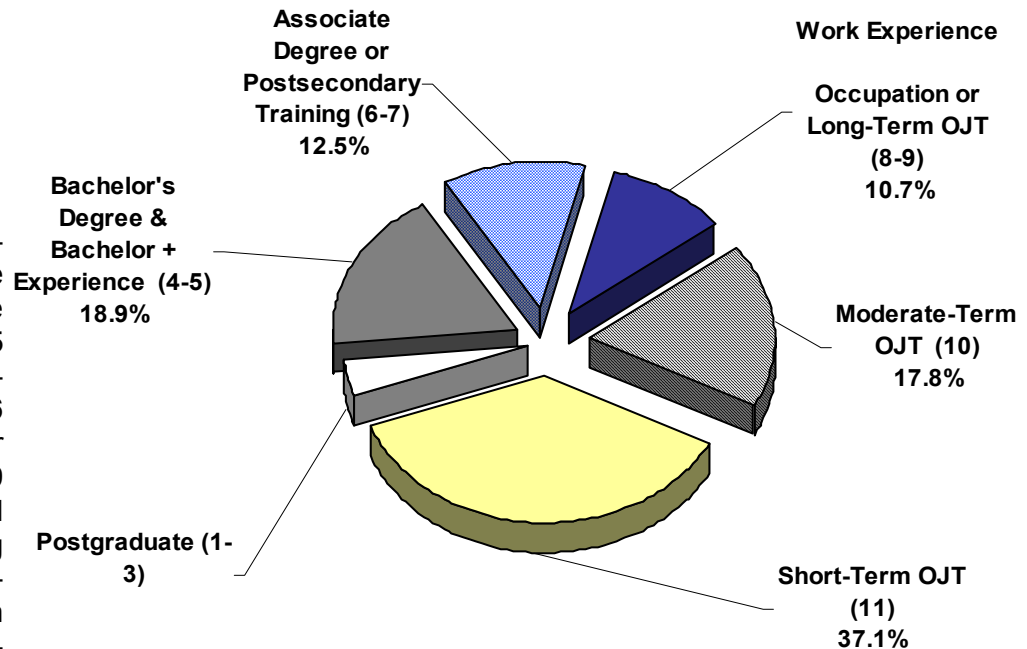
This section of the report groups Kentucky occupations by levels of education and training generally required to gain employment in a chosen field. The Bureau of Labor Statistics developed eleven broad education and training levels to present the occupations for analysis. The eleven categories are grouped as follows:

- (1) Professional degree, (such as physicians, lawyers, clergy, etc.)
- (2) Doctoral degree,
- (3) Master's degree,
- (4) Bachelor's degree,
- (5) Bachelor's degree plus work experience,
- (6) Associate degree,
- (7) Post-secondary vocational training,
- (8) Work experience in a related occupation,
- (9) Long-term, on-the-job training,
- (10) Moderate-term, on-the-job training,
- (11) Short-term, on-the-job training, and
- (12) Training Unspecified.

The percentages of new jobs the Kentucky economy is likely to create between 2000 and 2010 are displayed in Chart 2: Categories 1, 2, and 3 are combined as "Postgraduate"; categories 4 and 5 are combined as "Bachelor's degree and Bachelor's degree with Work Experience"; categories 6 and 7 are combined as "Associate's Degree or Postsecondary Training"; and categories 8 and 9 are combined as "Work Experience in a Related Occupation or Long-Term OJT". The remaining categories are shown individually. The largest education and training category, short-term OJT, with over 710,000 workers in 2000, is projected to account for 37.1 percent of the new job openings between 2000 and 2010. The category consisting of Bachelor's degree and Bachelor's degree with experience accounted for 14.1 percent of all Kentucky workers in 2000 and is projected to account for 18.9 percent of new job growth. About 2.8 percent of workers are employed in occupations that generally require more education than a Bachelor's degree, but this number is projected to account for 4.1 percent of new job growth by 2010. Approximately 3.3 percent of growth is projected in occupations without a specified training level.

**CHART 2**

**Percent of Total Kentucky Job Growth by Education or Training 2000-2010**



### ***Occupations requiring more education are increasing in share of employment***

Employment in occupations requiring an Associate's degree or more education will increase in share of total employment. Occupations requiring only a high school diploma or equivalent along with work experience will decline in share of employment. Occupations requiring an Associate's degree or more education accounted for 20 percent of all Kentucky's jobs in 2000 and will account for nearly 21 percent of total job growth by 2010. In contrast, occupations requiring no education or formal training beyond high school are declining in share of employment over the period.

### ***Low pay is given for jobs requiring only short-term on-the-job training***

The largest group is of occupations consists of those requiring short-term, on-the-job training, meaning workers generally learn the required job skills in a few weeks or less. In 2000, approximately 710,000 Kentucky workers in these occupations accounted for 36 percent of the state's total employment. Most occupations in this category are support occupations, including service and clerical occupations, operatives, fabricators, and laborers. Four of five workers in these occupations earn less than \$10.00 an hour.

TABLE 3: Employment and average annual job openings, 2000-2010, by education and training categories									
Education and Training		Employment				Change		Average Annual Growth Openings by Education and Training	
		Number		Percent Distribution		2000-2010		2000-2010	
Category	Code	2000	2010	2000	2010	Number	Percent	Number	Percent Distribution
Total, All Occupations		1,966,484	2,282,245	100.0%	100.0%	315,761	16.1%	31,576	100.0%
First professional degree	1	18,346	22,952	0.9%	1.0%	4,606	25.1%	461	1.5%
Doctoral degree	2	12,047	14,651	0.6%	0.6%	2,604	21.6%	261	0.8%
Master's Degree	3	24,202	29,908	1.2%	1.3%	5,706	23.6%	570	1.8%
Work experience plus Bachelor's or higher degree	4	83,351	98,264	4.2%	4.3%	14,913	17.9%	1,491	4.7%
Bachelor's degree	5	193,567	232,701	9.8%	10.2%	39,134	20.2%	3,913	12.4%
Associate degree	6	65,090	87,527	3.3%	3.8%	22,437	34.5%	2,248	7.1%
Postsecondary vocational training	7	75,539	91,180	3.8%	4.0%	15,641	20.7%	1,565	5.0%
Work experience in a related occupations	8	149,297	168,214	7.6%	7.4%	18,917	12.7%	1,892	6.0%
Long-term on-the-job training	9	179,322	193,046	9.1%	8.5%	13,724	7.7%	1,372	4.3%
Moderate-term on-the-job training	10	393,998	448,494	20.0%	19.7%	54,496	13.8%	5,450	17.3%
Short-term on-the-job training	11	710,069	823,260	36.1%	36.1%	113,191	15.9%	11,320	35.9%
Training unspecified	--	61,656	72,048	3.1%	3.2%	10,392	16.9%	1,033	3.3%

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

***Pay is significantly higher for jobs requiring moderate-term on-the-job training***

Occupations requiring moderate-term, on-the-job training means workers can generally learn the job skill after 1 to 12 months of combined on-the-job experience and informal training. These occupations included about 394,000 workers or 20 percent of Kentucky's total employment in 2000. These moderate-term occupations are projected to increase by about 54,000 jobs by 2010. These workers will earn significantly more than workers in the lowest training category. Actually, seven out of eight workers in the moderate-term, on-the-job training category will earn more than \$10.00 per hour.

***Occupations requiring more than a year of on-the-job experience and formal training provide the best opportunities for persons not considering college***

Occupations generally requiring more than a year of on-the-job experience and formal training—such as carpenters; police officers; or maintenance repairers, general utility—account for 9.1 percent of Kentucky's total employment in 2000. Approximately 94 percent of employees in these occupations requiring more than a year of on-the-job experience earn more than \$10.00 per hour. An additional 7.6 percent are employed in occupations requiring experience from another occupation and generally do not require postsecondary education or training. Many of these workers are supervisors or managers and about 95 percent of these experienced workers earn more than \$10.00 per hour. Occupations requiring postsecondary vocational training account for an additional 75,000 or 3.8 percent of total employment in 2000. Nearly all persons working in these occupations earn more than \$10.00 an hour.

***Occupations usually requiring an Associate's degree are expected to grow the fastest of all education/training groups between 2000 and 2010***

Occupations usually requiring an Associate's degree accounted for 3.3 percent of all jobs in 2000 and are expected to increase 34.5 percent by 2010—the fastest growing category of all the education/training categories. Significantly, nearly half of the employees in this category are registered nurses. While most nurses currently train in Associate's degree programs, a considerable number obtained Bachelor's degrees, indicating some overlap of educational requirements among the educational categories. Nearly 95 percent of persons with such an occupation earn in excess of \$10.00 per hour.

***For persons considering college, a Bachelor's degree provides the largest number of job opportunities***

Occupations requiring a Bachelor's degree accounted for 9.8 percent of all workers in 2000. These occupations are expected to increase to 10.2 percent by 2010. Employment in this category approximated 193,000 in 2000 and is projected to increase by about 39,000 workers by 2010. In addition, jobs in which workers needed experience before getting their current job accounted for another 4.2 percent of all workers in 2000. The overwhelming majority of employees in this category work in managerial and administrative occupations. Ninety-eight percent of workers in occupations generally requiring a Bachelor's degree earn more than \$10.00 an hour and most earn substantially more than \$10.00 per hour.

***Occupations requiring education beyond a Bachelor's Degree should grow 23.7 percent between 2000 and 2010***

A relatively small proportion of workers are employed in occupations requiring education beyond a Bachelor's Degree, including occupations requiring a professional degree (0.9 percent), Doctoral Degree (0.6 percent) and Master's Degree (1.2 percent). Combined, these higher education categories are projected to grow by nearly 13,000 jobs between 2000 to 2010.

## **Charting the Occupational Outlook**

The following fourteen charts focus on the occupations in Kentucky with the most annual job openings, fastest-growing employment and significant employment decline from 2000 to 2010. Each chart ranks the top 20 occupations, from highest to lowest, according to the number of annual job openings or percentage of change between 2000 and 2010. Each chart includes the 2000 Average Hourly Wage for each occupation. In addition, comments beside the chart summarize the occupational openings and job growth, including factors that might affect these changes.

The first twelve charts organize occupations by the levels of education and training usually required for one to obtain employment.

Charts 3 and 4 depict Kentucky occupations usually requiring a professional or a graduate degree. First professional degrees, Doctoral degrees, and Master's degrees are grouped together in the "Graduate or Professional Degree" category.

Charts 5 and 6 display Kentucky occupations usually requiring a Bachelor's degree or work experience in addition to a Bachelor's degree.

Charts 7 and 8 rank the occupations generally requiring an Associate's degree or post-secondary vocational certificate.

Charts 9 and 10 present the Kentucky occupations generally requiring long-term, on-the-job training or work experience in a related occupation.

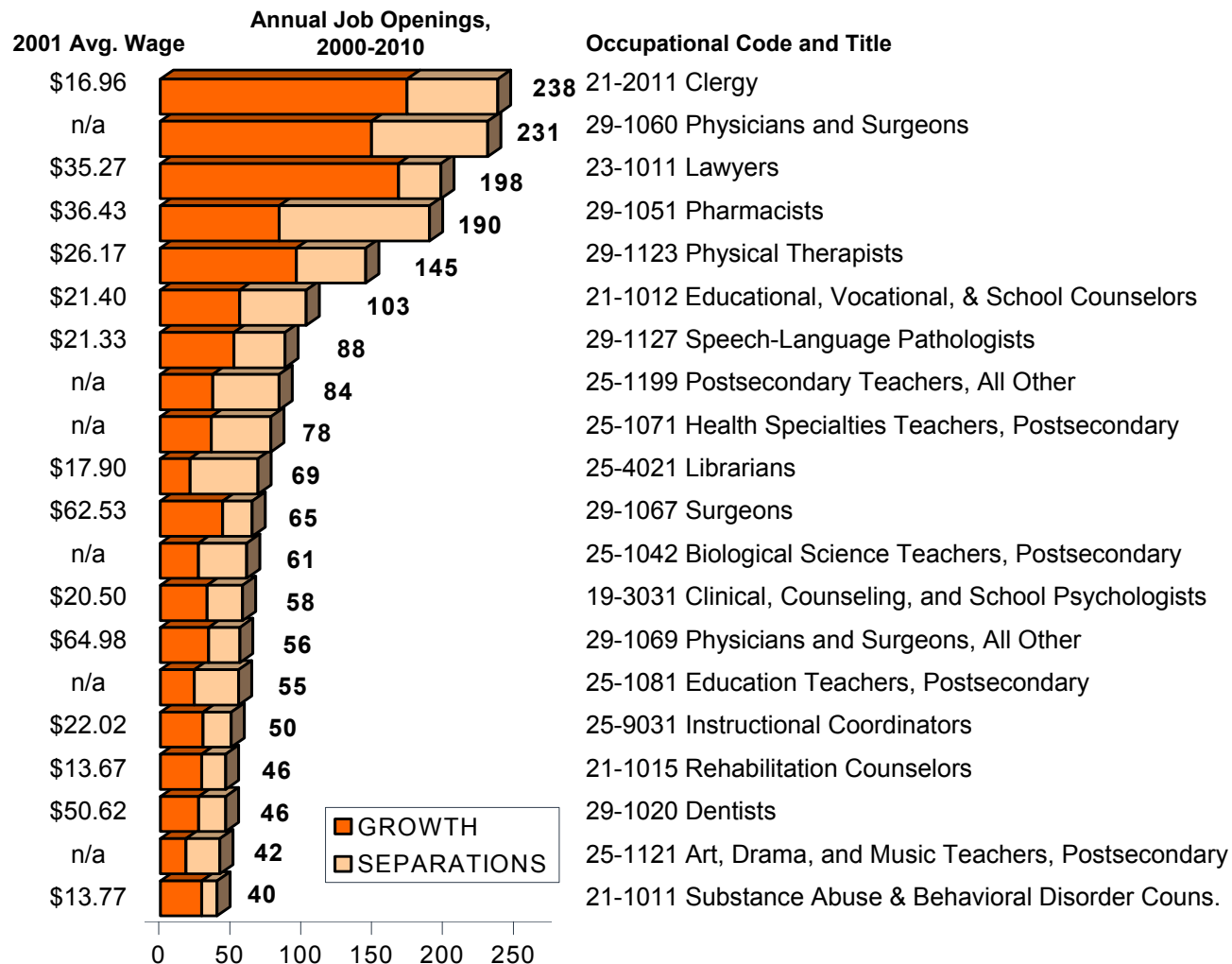
Charts 11 and 12 display occupations requiring moderate-term, on-the-job training.

Kentucky occupations requiring short-term, on-the-job training are presented in Charts 13 and 14.

The last two charts, Charts 15 and 16, identify Kentucky occupations in which employment is expected to decline significantly between 2000 and 2010.

## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring a Graduate or Professional Degree\*

**CHART 3**



*These twenty occupations represent 80 percent of the annual job openings among occupations requiring a graduate or professional degree. Educational, Vocational, and School Counselors are included in this category.*

*Three of the top four occupations generally require a professional degree and provide one quarter of the annual job openings in the category.*

*Seven of these 20 occupations are Education, Training, and Library Occupations. With eighty-four positions annually, Postsecondary Teachers provide the most job openings among these five in Kentucky.*

*Another seven of these are Healthcare Practitioners and Technical Occupations. Of these seven, Physicians and Surgeons earn the second-highest average hourly wage in the state of Kentucky, at about 65 dollars per hour.*

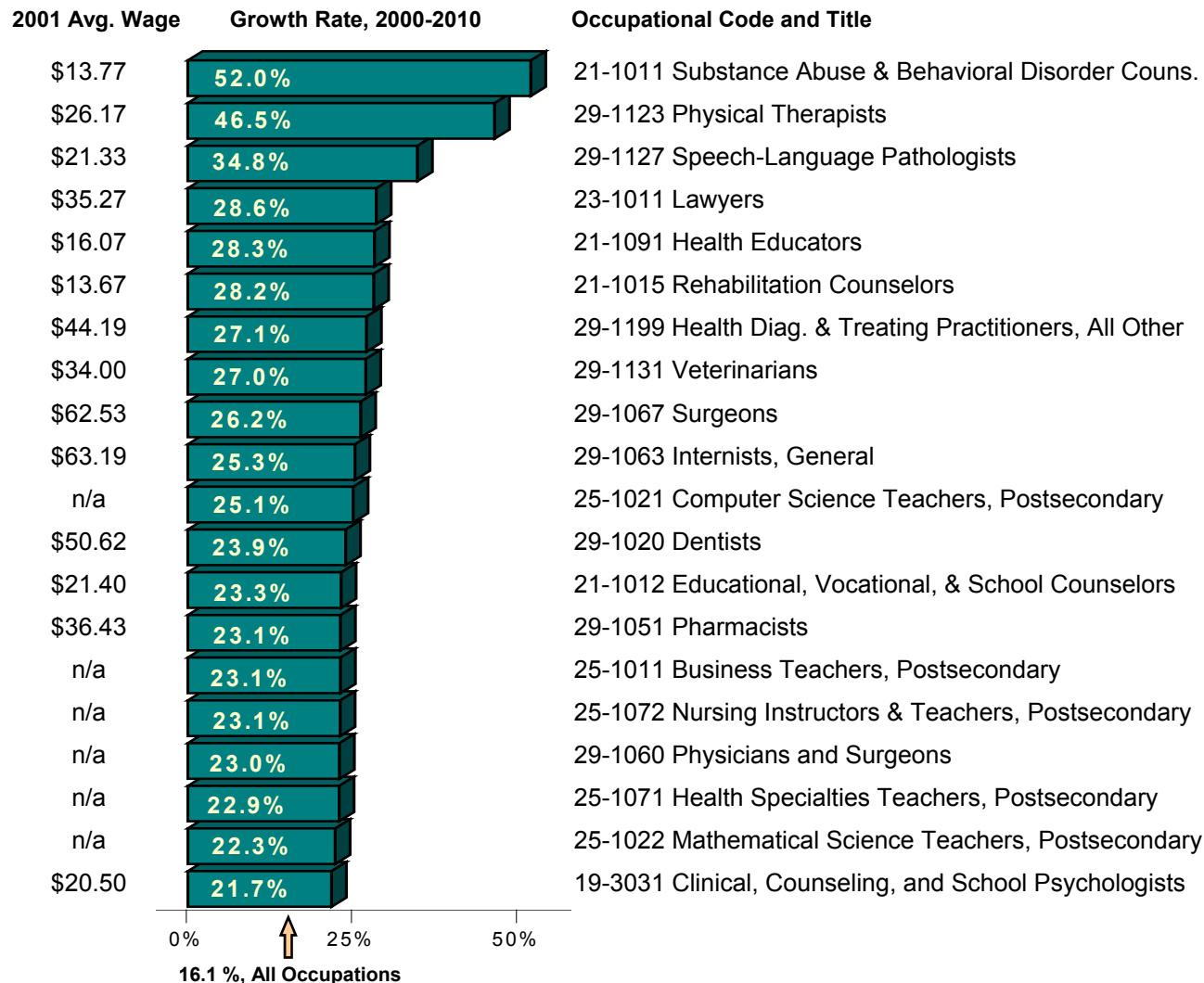
\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



## Twenty Fastest-Growing Kentucky Occupations Generally Requiring a Graduate or Professional Degree\*

**CHART 4**



*Occupations that require a graduate or professional degree are expected to grow 23.6 percent as a group between 2000 and 2010, the second highest among all groups.*

*Substance Abuse & Behavioral Disorder Counselors top the list as the occupation with the fastest growth rate at over three times the average rate for all Kentucky occupations.*

*Fourteen of these twenty occupations are in health-related fields. Five are postsecondary teachers, with Computer Science Teachers experiencing the highest job growth rate at about 25 percent.*

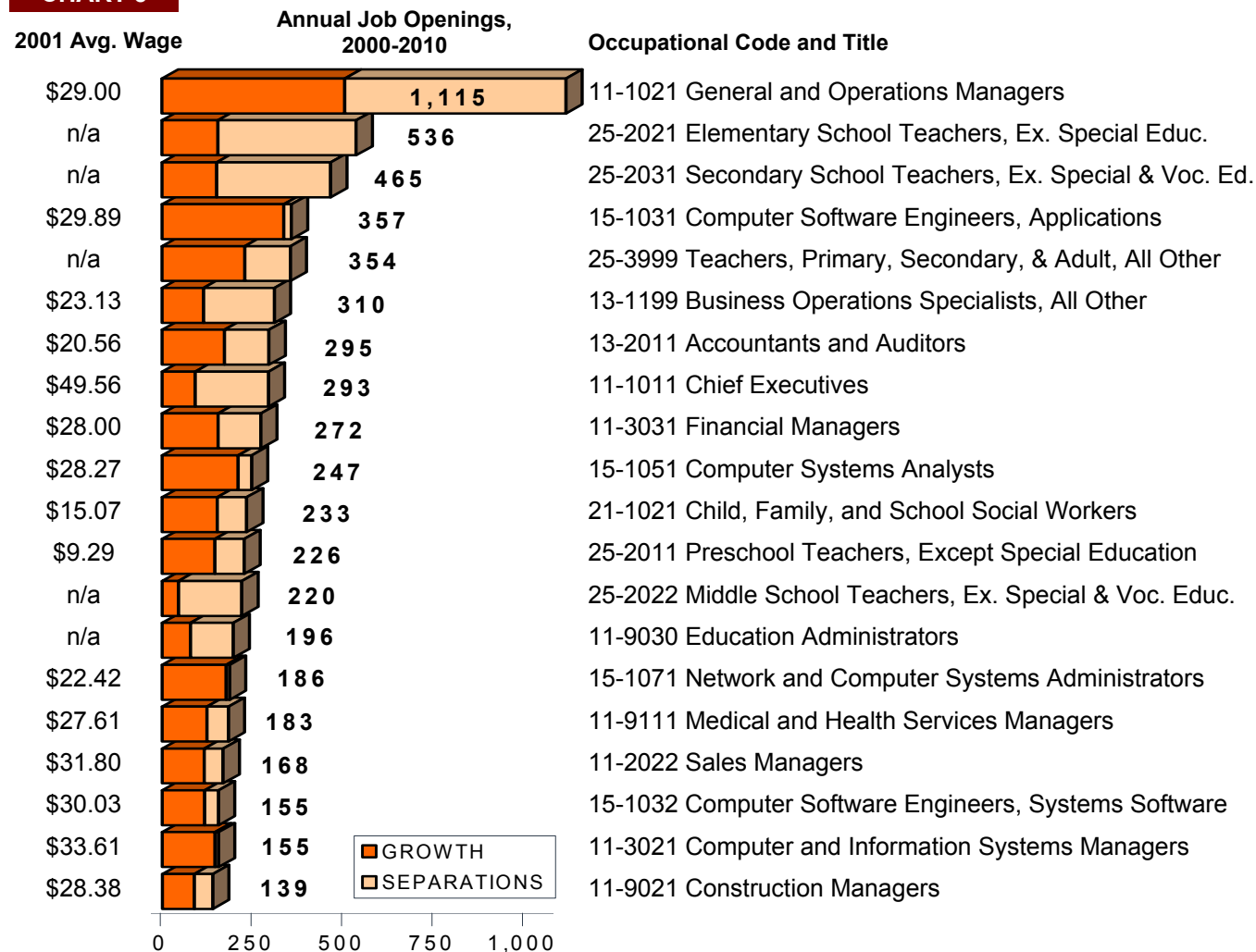
*Health-related occupations will generally average a higher hourly wage than education-related occupations. Of the occupations listed here, for example, Surgeons will average over 60 dollars an hour while Educational, Vocational, and School Counselors will average only slightly over 20.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring a Bachelor's Degree or Bachelor's Degree and Work Experience\*

CHART 5



*These 20 occupations represent nearly 60 percent of annual job openings in all occupations that generally require a Bachelor's degree. Seven of these occupations also require work experience along with a Bachelor's degree.*

*Occupations with the most job openings requiring this training include eight in management, five in the teaching profession and four in the computer field.*

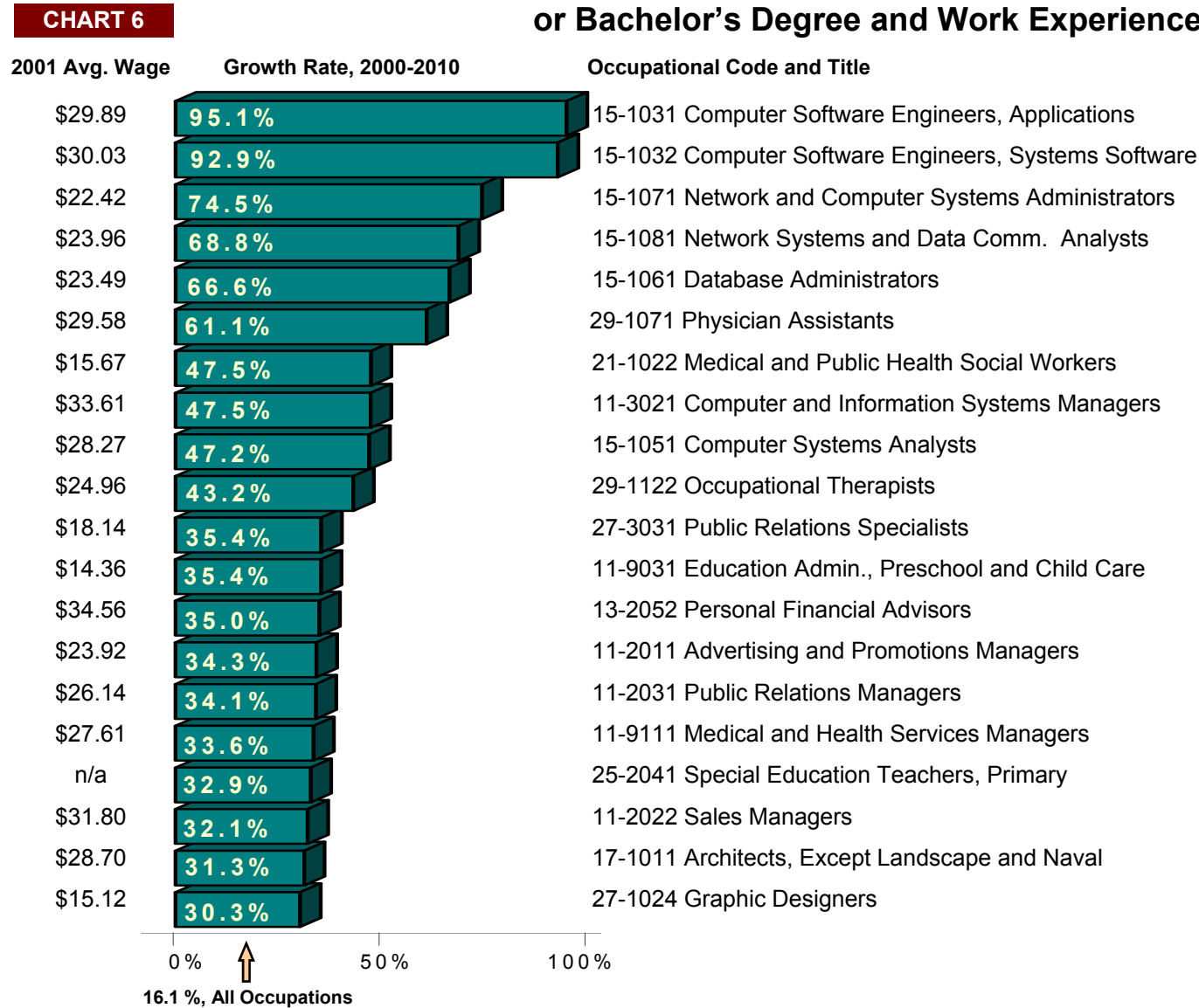
*General and Operations Managers will have more than twice the number of annual job openings compared to the next occupation, Elementary School Teachers.*

*Among the Education, Training, and Library occupations, Elementary School Teachers and Secondary School Teachers are expected to have 536 and 465 annual job openings, respectively, throughout Kentucky.*

\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Fastest-Growing Kentucky Occupations Generally Requiring a Bachelor's Degree or Bachelor's Degree and Work Experience\*



*Occupations that generally require a Bachelor's degree will grow an average of 19.4 percent between 2000 and 2010, significantly higher than the average for all occupations at 16.1 percent. Six of these occupations require work experience along with a Bachelor's degree.*

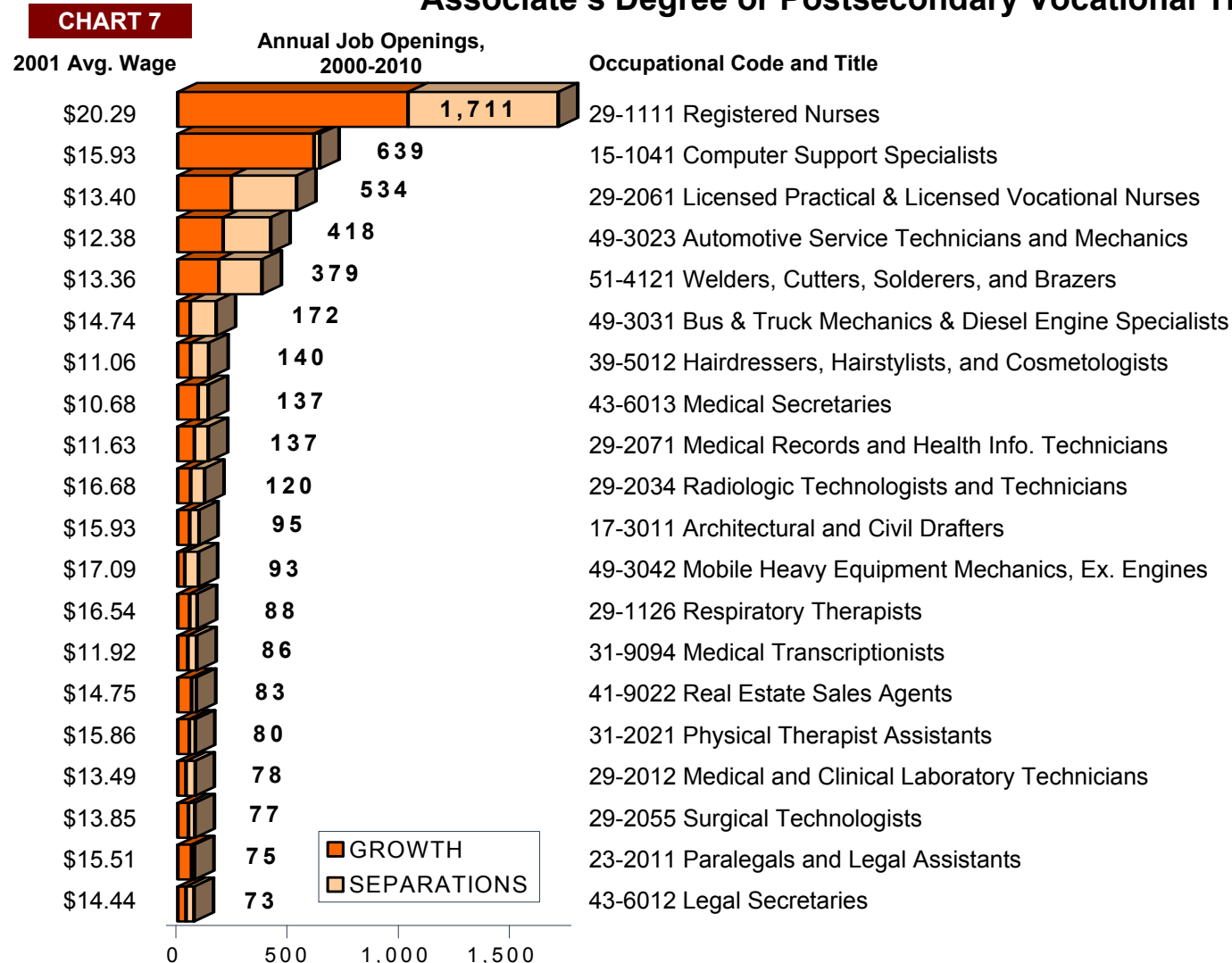
*The top five of these twenty are Computer and Mathematical Occupations; six of the following fifteen are Management Occupations. While Computer and Mathematical Occupations are expected to grow at a rate of 68.3 percent as a whole, however, Management Occupations are estimated to grow at a rate of only 7.4 percent.*

*Only one of the top twenty is an Education, Training, and Library Occupation. These occupations as a whole are expected to grow at a rate just slightly above that for all occupations.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring an Associate's Degree or Postsecondary Vocational Training\*



*These twenty occupations represent over four out of five job openings that generally require an Associate's degree or vocational technical training.*

*Eight of the twenty occupations are in medical fields, with Registered Nurses at the top by a large margin. Registered Nurses are expected to have almost three times as many annual job openings, some 1,711, as the second occupation, Computer Support Specialists, with 639.*

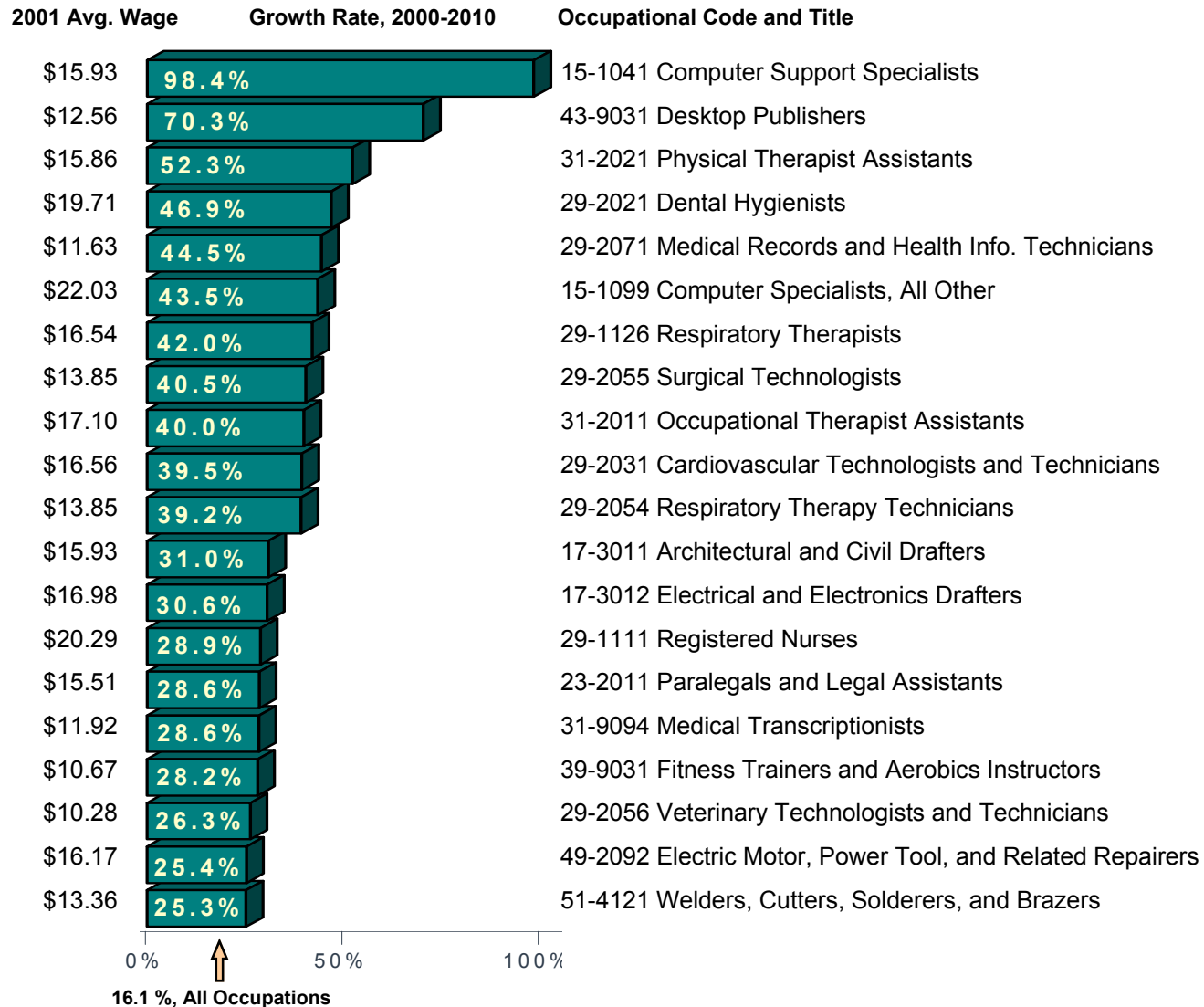
*While most nurses currently get their training in Associate degree programs, a considerable number have obtained Bachelor's degrees, which indicates that there is some overlapping of educational requirements within the group.*

\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Fastest-Growing Kentucky Occupations Generally Requiring an Associate's Degree or Postsecondary Vocational Training\*

**CHART 8**



*Occupations that usually require an Associate's degree are expected to grow at an average rate of 27.3 percent between 2000 and 2010, the fastest average growth rate among all occupations.*

*Half of these twenty occupations require an Associate's degree and half require vocational technical training. In addition, half of these twenty are in health-related fields.*

*Computer Support Specialists rank first among this group with a job growth rate of 98.4 percent between 2000 and 2010.*

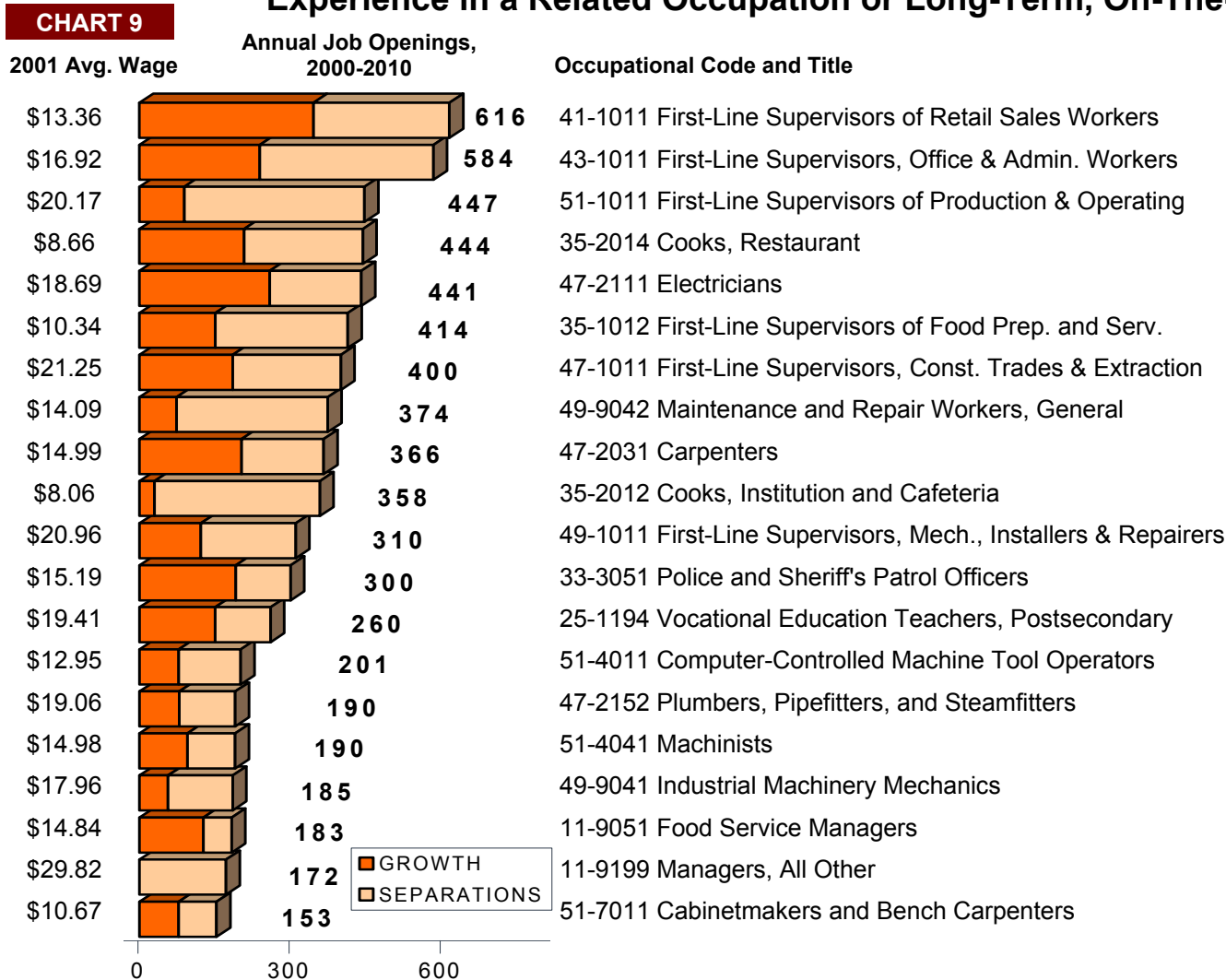
*These occupations account for nearly half of all occupations in Kentucky requiring an Associate's degree or postsecondary vocational training.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring Work Experience in a Related Occupation or Long-Term, On-The-Job Training\*



*Long-term, on-the-job training occupations generally require more than a year of experience and formal training.*

*Seven of these top twenty are either Construction and Extraction Occupations or Installation, Maintenance, and Repair Occupations. Growth in these sectors will be sustained by continuous emphasis on the rebuilding of roads, bridges, and other structures, as well as the need to renovate and modernize existing structures.*

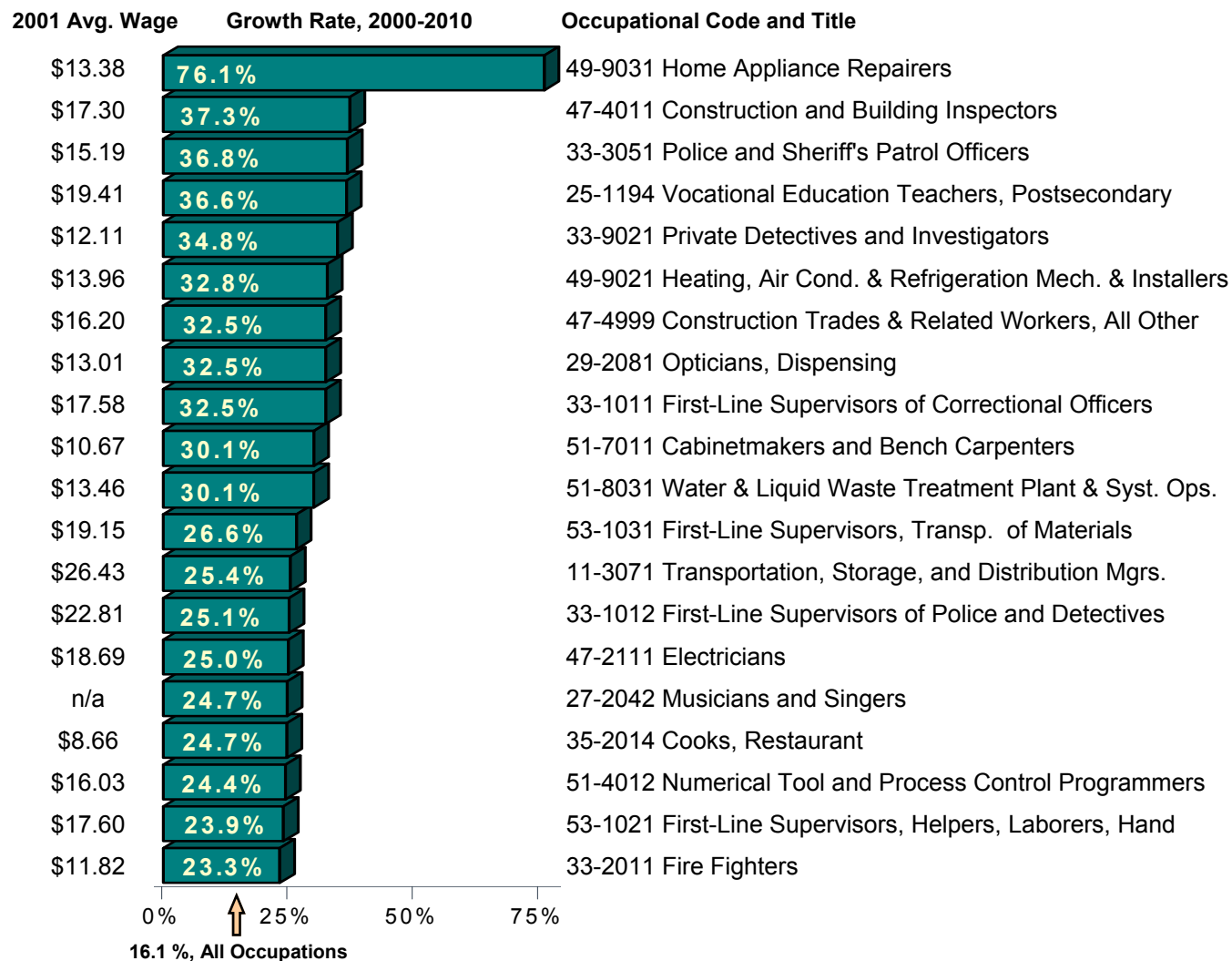
*The top three, five of the top seven, and six of all twenty occupations listed are supervisors. These supervisory positions are typically initial hires that have honed the skills of their occupation enough to oversee the new hires that follow them.*

\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Fastest-Growing Kentucky Occupations Generally Requiring Work Experience in a Related Occupation or Long-Term, On-The-Job Training\*

**CHART 10**



*In this chart of occupations generally requiring long-term, on-the-job training, nine require work experience in a related occupation as well.*

*Five of these top twenty are either Installation, Maintenance, and Repair Occupations or Production Occupations, with Home Appliance Repairers growing the fastest among the group at 76.1 percent.*

*Four occupations on this chart are in Protective Services. This indicates a sustained need for police officers, fire fighters, and other roles in protective service statewide.*

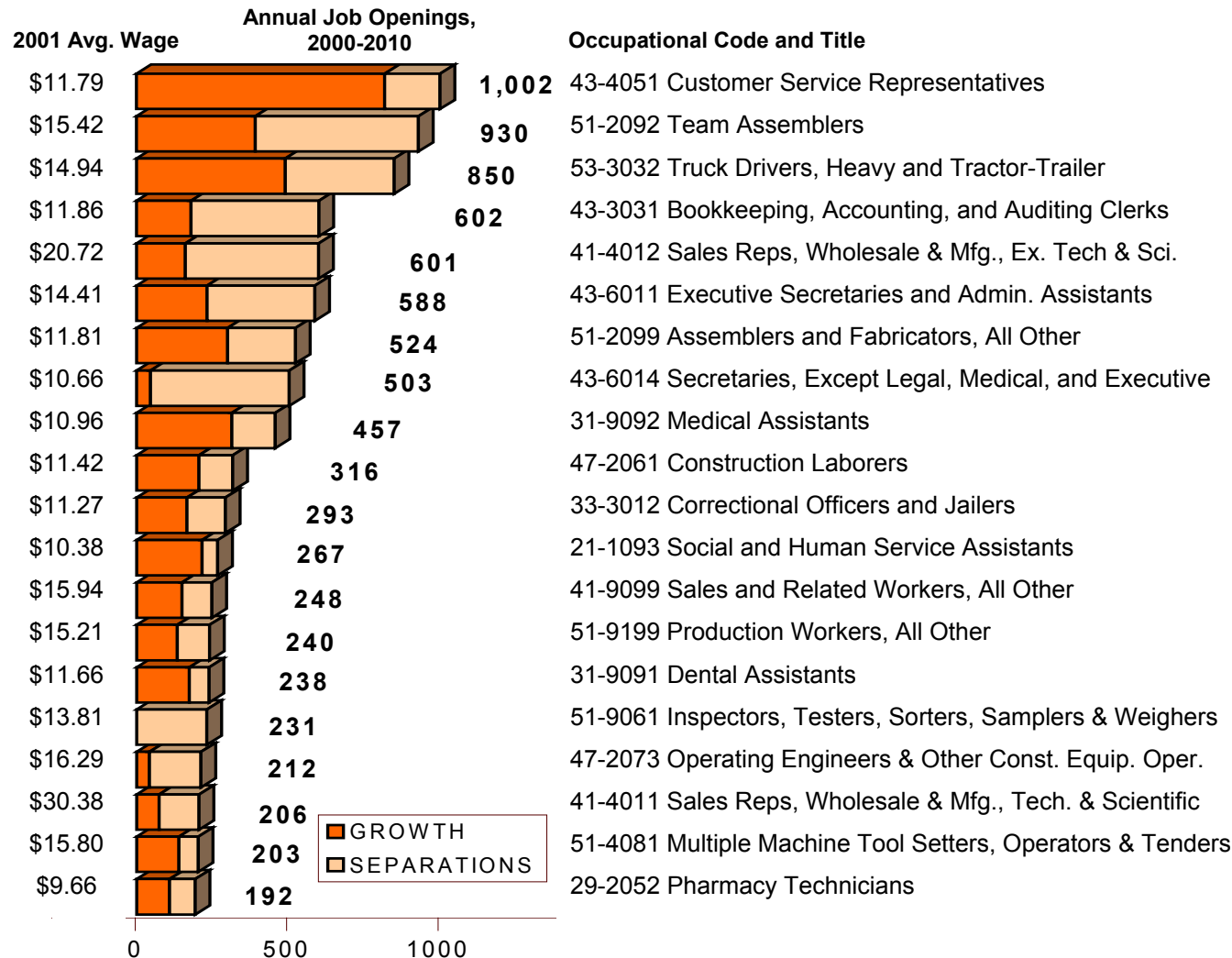
*Six on this chart of fastest-growing occupations requiring long-term, on-the-job training or work experience are also found within the top twenty annual job openings among this group of occupations.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring Work Experience in a Related Occupation or Moderate-Term, On-The-Job Training\*

**CHART 11**



*Workers in the occupations requiring moderate-term on-the-job training generally learn their skills after one to twelve months of experience and informal training.*

*Of the twenty listed here, five are Production Occupations, four are Office and Administrative Support Occupations, and three are Sales and Related Occupations.*

*From the occupational titles listed in this chart, one can see the prevalence of Office and Administrative Support Occupations. Customer Service Representatives hold the top spot with over 10 percent of all annual job openings in this category, and the four Office and Administrative Support Occupations listed here account for over 27 percent altogether.*

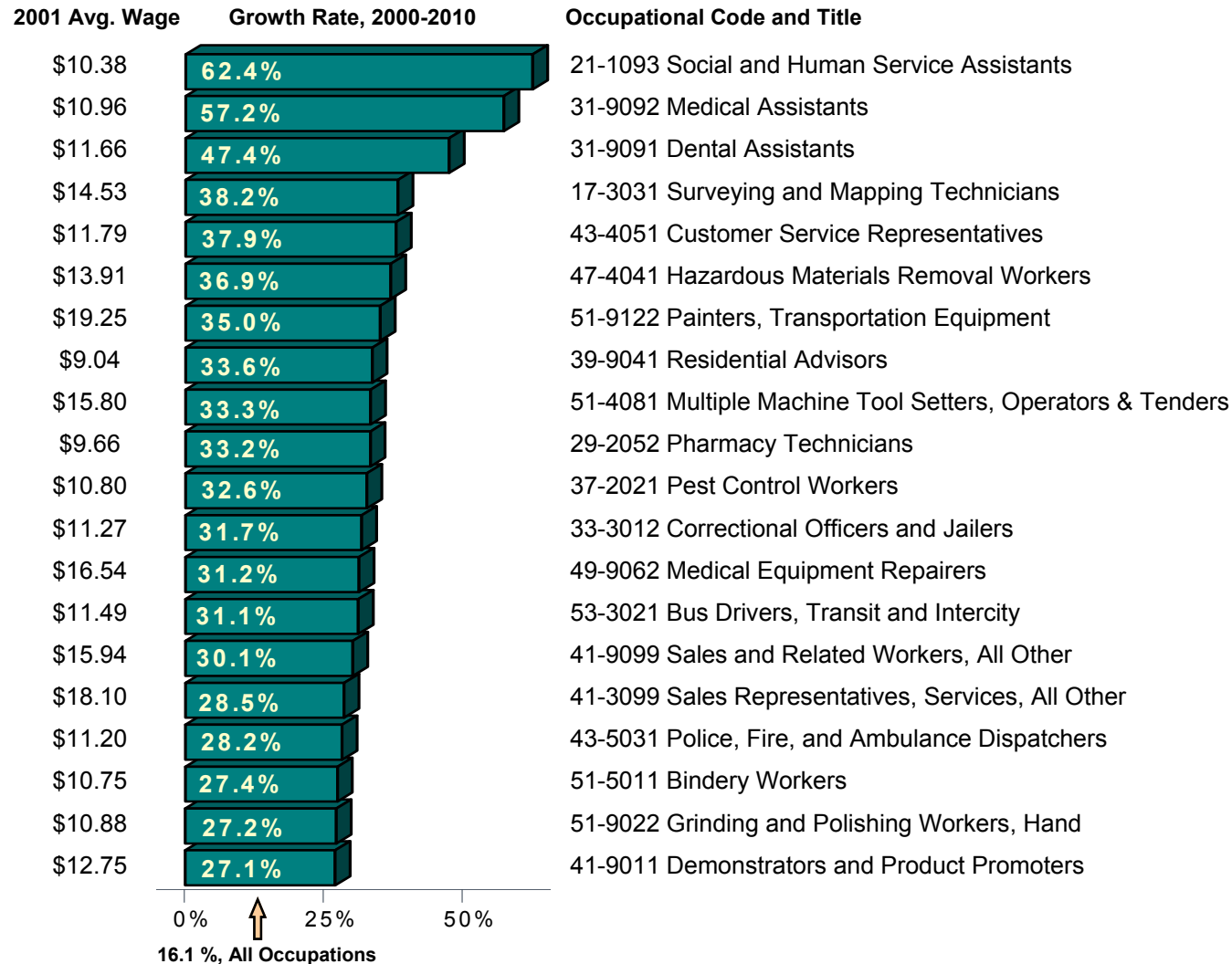
\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



## Twenty Fastest-Growing Kentucky Occupations Generally Requiring Work Experience in a Related Occupation or Moderate-Term, On-The-Job Training\*

**CHART 12**



*This group of occupations will grow the second-slowest in Kentucky at 13.8 percent between 2000 and 2010. By comparison, the average growth rate for all occupations in Kentucky is 16.1 percent.*

*The twenty occupations listed on this chart cover a fairly broad range of occupational categories. Four of the titles are Production Occupations, however, and three are Sales and Related Occupations. This correlates directly with the numbers from these two occupational categories listed in the top twenty Kentucky occupations with the most annual job openings for this same training category.*

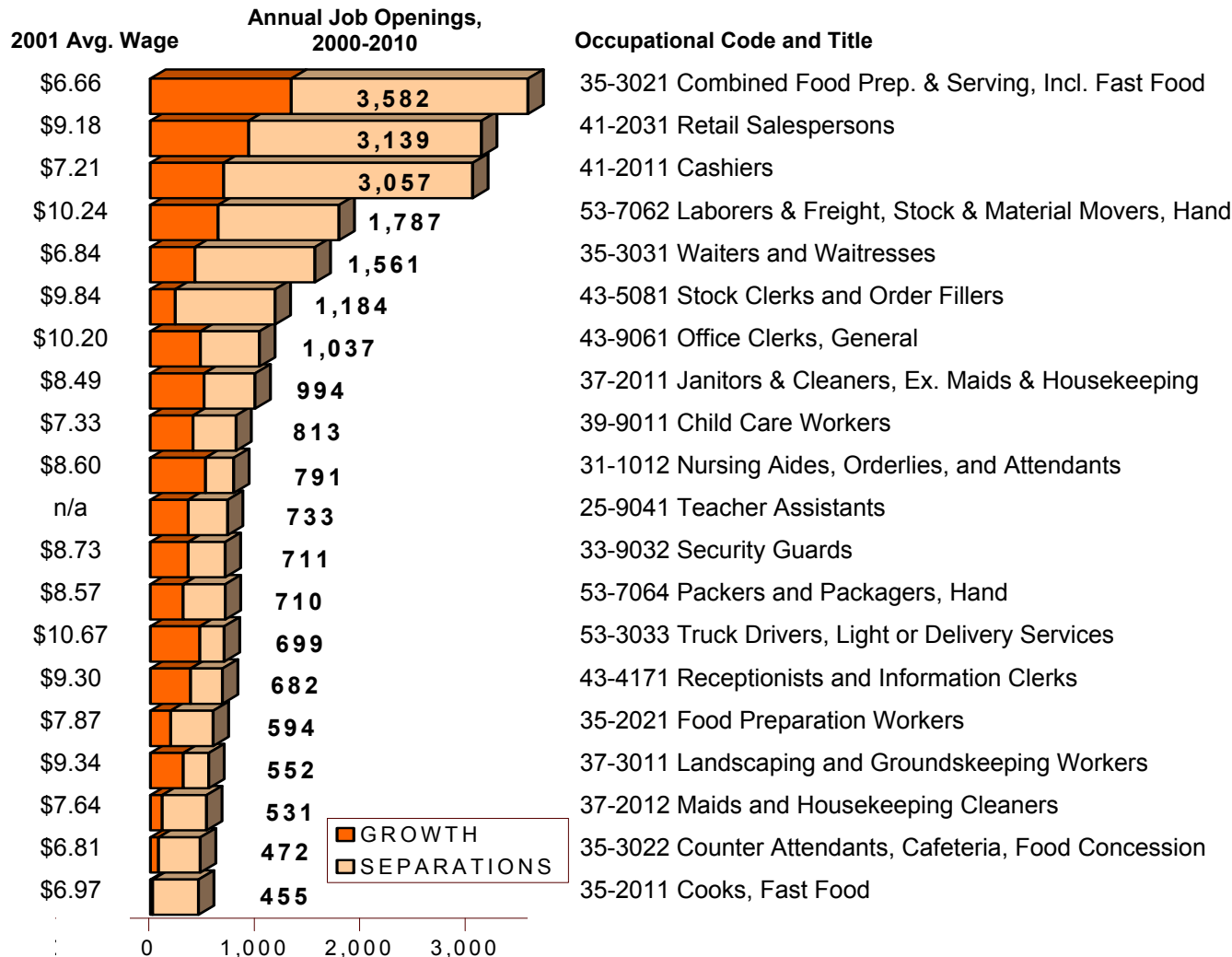
*As common sense would suggest, the average hourly wage continues to decrease as the length of training decreases. Only five of these occupations earn over 15 dollars an hour, and two of the twenty earn less than 10 dollars an hour.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Kentucky Occupations with the Most Annual Job Openings Generally Requiring Work Experience in a Related Occupation or Short-Term, On-The-Job Training\*

**CHART 13**



*Workers in occupations that require short-term on-the-job training generally learn job skills in a few weeks or less.*

*Five of the top twenty are Food Preparation and Serving Related Occupations. This group of occupations accounts for the most annual job openings on this chart as well.*

*This particular educational classification will generate nearly 45 percent of all annual job openings in Kentucky between 2000 and 2010. Many of these jobs, however, are among the lowest paying in Kentucky.*

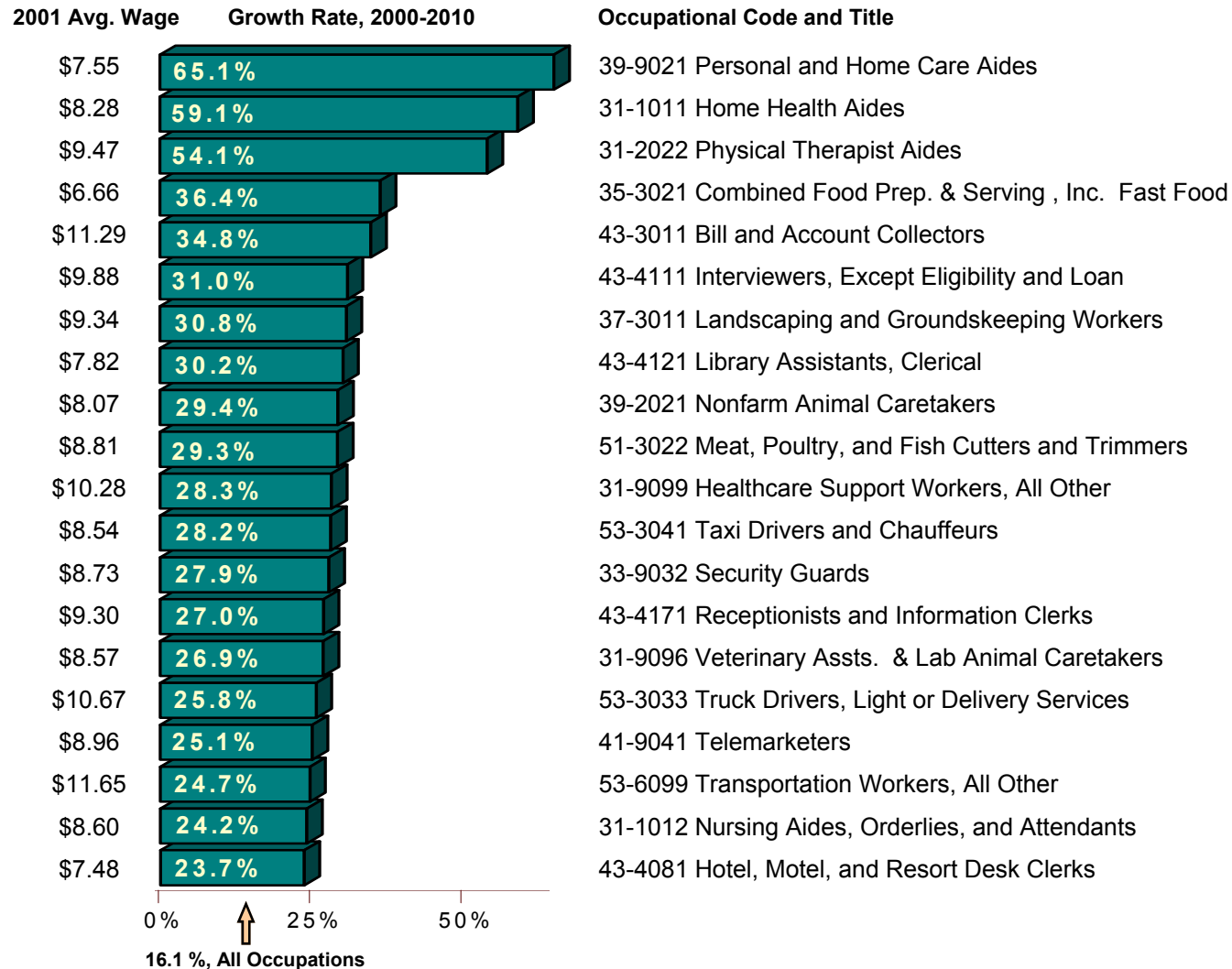
*Most of these occupations are entry-level jobs from which persons with a high school diploma or more will move on to higher skilled/paying jobs. Persons with less than a high school diploma will continue to have difficulty obtaining the higher skill/paying jobs.*

\* Ranked according to the total number of job openings each year, this chart illustrates the top 20 occupations in Kentucky for which a person needs a professional degree, Master's degree, or Doctoral degree to perform the duties. The dark bar represents the number of job openings due to employment growth. The light bar represents job openings due to workers separating from the occupation. The projected number of job openings each year is posted to the right of each bar.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Fastest-Growing Kentucky Occupations Generally Requiring Work Experience in a Related Occupation or Short-Term, On-The-Job Training\*

**CHART 14**



*Since these occupations require short-term, on-the-job training, employers prefer but often do not require a high school diploma. Because minimal training is required, many of these jobs are among the lowest paid occupations.*

*Five of these twenty are Healthcare Support Occupations; another five are Office and Administrative Support Occupations.*

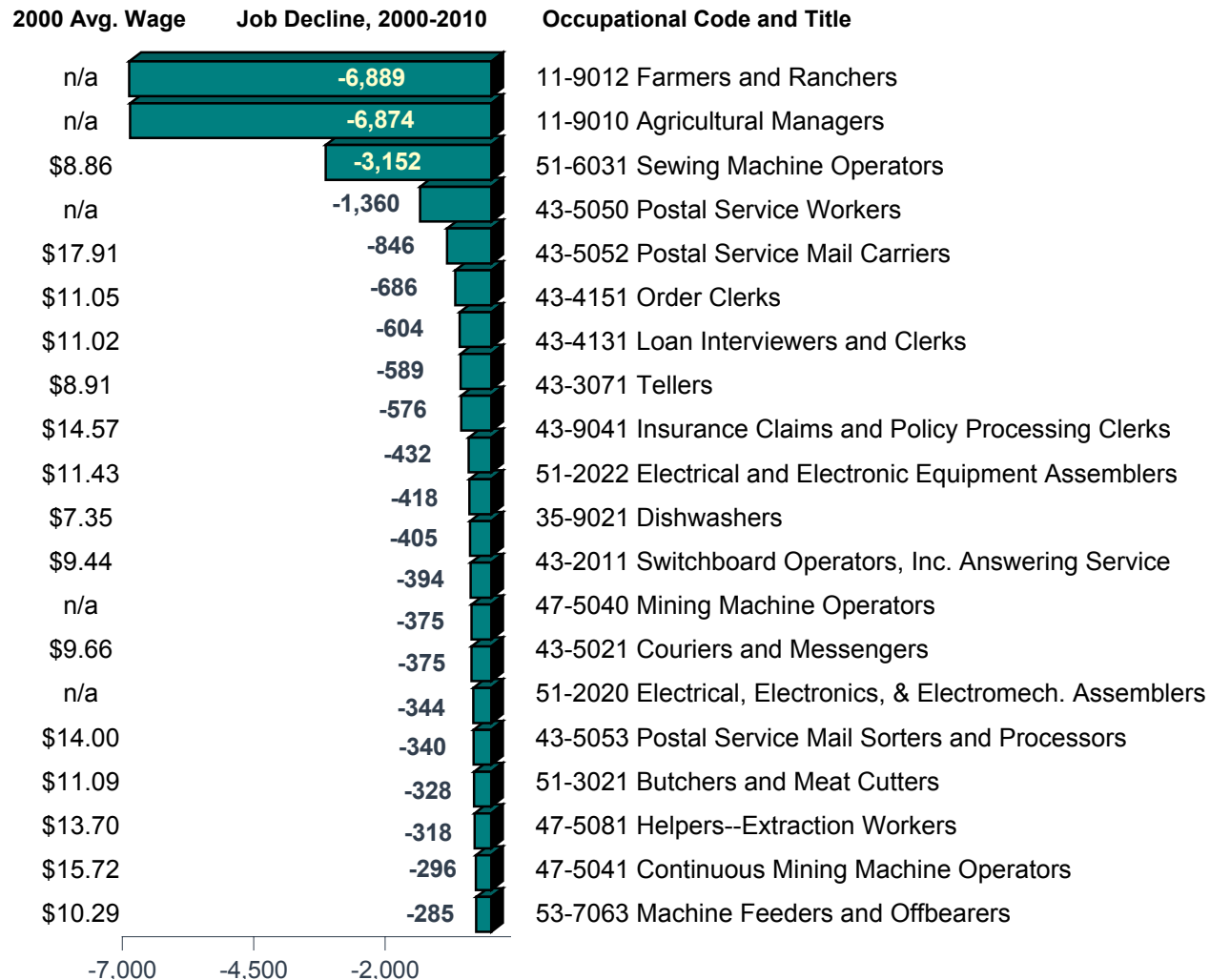
*Three of these twenty are Transportation and Material Moving Occupations. The sustained need for employees in the shipping industry coincides with the continued rise in Kentucky's production and export of nondurable goods. How long this statewide increase in manufacturing will continue in the new global economy remains a question, however.*

\* This chart groups occupations generally requiring a Master's degree, a Doctoral degree, or a professional degree. Occupations with less than 20 job openings per year are not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Kentucky Occupations Losing the Largest Number of Jobs Between 2000 and 2010

**CHART 15**



*Declining industry labor needs are among the major causes of the projected employment declines among the top three occupations on this chart. For example, Farming, Fishing, and Forestry Occupations will lose employment due to a combination of industry factors. Kentucky's agriculture is undergoing drastic changes in technology, techniques, automation and demand for Kentucky products, mainly burley.*

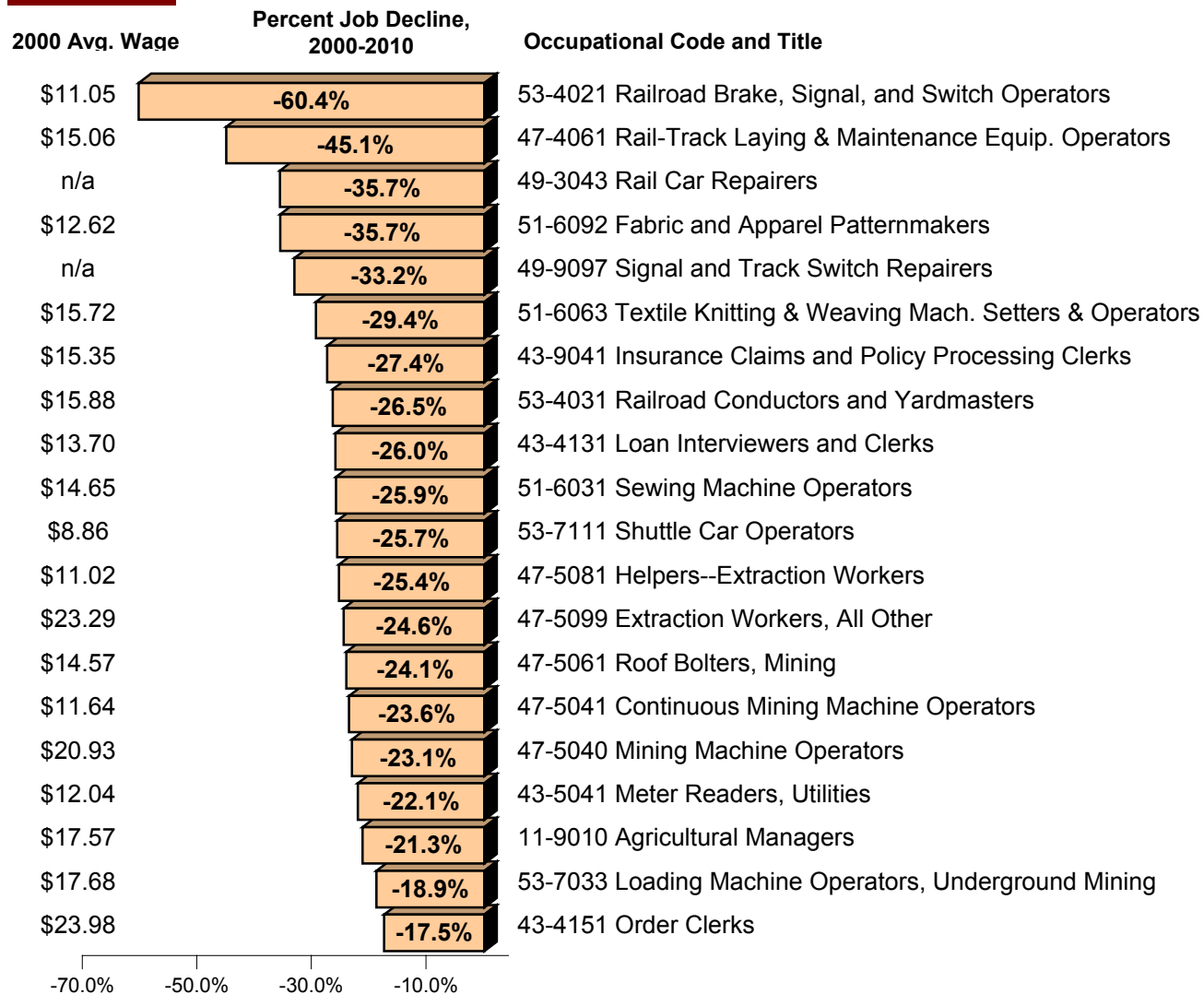
*Declining employment generally implies an occupation has an unfavorable job outlook. However, when the number of workers leaving or separating from an occupation is larger than the employment loss, some positions become available to job seekers.*

*Nearly half of these titles are Office and Administrative Support Occupations. This decline, like the decline in agricultural occupations, can be attributed in part to technology, the automation of tasks, and the internet. It is important to remember, however, that this is the largest occupational category, making up about 15 percent of Kentucky's occupations.*

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Twenty Fastest-Declining Kentucky Occupations Between 2000 and 2010\*

**CHART 16**



*Few of these fastest-declining occupations require advanced education beyond high school. Therefore, the occupations with employment decline will have a greater impact on lesser-educated workers.*

*Thirteen of the twenty fastest-declining Kentucky occupations require various types of on-the-job training. Among them, four require moderate-term, on-the-job training; three require short-term, on-the-job training; and four require long-term, on-the-job training.*

*A good portion of the occupations on this chart are directly related to the mining industry. As with the occupations detailed in Chart 15, the decline of mining can be attributed to technological advances and the automation of work processes.*

\* Occupations with Kentucky employment of less than 100 in 2000 or 2010 were not included in this chart.

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

## Explanation of Data Elements in the Occupational Outlook Table

### Occupational Code and Title

The Occupational **Codes** and **Titles** used in this report are based on the Standard Occupational Classification System outlined by the Bureau of Labor Statistics.

### Employment

**Estimated** Employment (2000 data) is based upon the Occupational Employment Statistics (OES) Survey of Kentucky Employers. **Projected** Employment (2010 data) is based upon projections of industry employment and occupational change factors between 2000 and 2010.

**NOTE:** The Occupational employment estimates for 2000 and 2010 include all classes of workers such as public and private, wage and & salaried workers, agricultural workers, private household workers, and self-employed individuals.

### Job Growth Rate

**Number** signifies the estimated total quantity of jobs in an occupation gained or lost over the period from 2000 to 2010. **Percent** details the assumed percent change in employment in an occupation over the period from 2000 to 2010.

**NOTE:** The **average job growth** for all occupations in Kentucky between 2000 and 2010 was estimated at **16.1** percent. Based on this number, an occupation will experience: **very fast** growth if the number is greater than **30** percent; **moderately fast** growth if the number is **18** to **30** percent; **average** growth if the number is **12** to **18** percent; **slow** growth if the number is **5** to **12** percent; **very slow** growth if the number is **zero** to **5** percent; and **negative** or **declining** growth if the number is less than **zero**.

### Average Annual Job Openings

The **growth** column shows an estimate of the number of job openings expected to occur from job growth between 2000 and 2010. **Separations** are the estimates of job openings expected to occur each year in an occupation resulting from workers leaving the occupation for reasons such as retirement, promotion, or transfer to another occupation. These separations will require replacement workers. The **total** is the sum of an occupation's **growth** and **separations**.

**NOTE:** If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.

### Average Wage

**Average Wage** in this report always refers to the 2001 mean hourly wage.

# Average hourly wage for each of the teaching occupations was calculated from the average annual wage by assuming a work year of 9.5 months and a workweek of 40 hours.

### Education and/or Training Required

**Education and/or Training Level Required** is usually provided by the Bureau of Labor Statistics and grouped into eleven different levels.

**NOTE:** The various levels are described in detail on pages 84 and 85.



# Kentucky Statewide

## Management Occupations

# Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
00-0000	Total, All Occupations	1,966,484	2,282,245	315,761	16.1	31,576	44,856	76,432	n/a	n/a
11-0000	Management Occupations	148,677	159,663	10,986	7.4	1,099	1,939	3,038	n/a	n/a
11-1000	Top Executives	41,757	47,729	5,972	14.3	597	814	1,411	n/a	n/a
11-1011	Chief Executives	6,074	6,981	907	14.9	91	202	293	49.56	4
11-1021	General and Operations Managers	35,613	40,659	5,046	14.2	505	610	1,115	29.00	4
11-1031	Legislators	*	*	*	*	*	*	*	25.72	n/a
11-2000	Advertising, Marketing, P.R., and Sales	7,568	9,904	2,336	30.9	234	108	342	n/a	n/a
11-2011	Advertising and Promotions Managers	948	1,273	325	34.3	33	14	47	23.92	4
11-2020	Marketing and Sales Managers	5,820	7,558	1,738	29.9	174	83	257	n/a	n/a
11-2021	Marketing Managers	2,217	2,797	580	26.2	58	31	89	31.73	4
11-2022	Sales Managers	3,603	4,761	1,158	32.1	116	52	168	31.80	4
11-2031	Public Relations Managers	800	1,073	273	34.1	27	12	39	26.14	4
11-3000	Operations Specialties Managers	23,646	28,120	4,474	18.9	447	388	835	n/a	n/a
11-3011	Administrative Services Managers	2,942	3,511	569	19.3	57	48	105	22.60	4
11-3021	Computer and Information Systems Managers	2,460	3,628	1,168	47.5	117	38	155	33.61	4
11-3031	Financial Managers	7,760	9,296	1,536	19.8	154	118	272	28.00	4
11-3040	Human Resources Managers	2,698	3,071	373	13.8	37	47	84	26.92	4
11-3051	Industrial Production Managers	3,890	4,269	379	9.7	38	54	92	30.23	5
11-3061	Purchasing Managers	1,782	1,694	-88	-4.9	0	56	56	25.21	4
11-3071	Transportation, Storage, and Distribution Mgrs.	2,114	2,651	537	25.4	54	29	83	26.43	8
11-9000	Other Management Occupations	75,706	73,910	-1,796	-2.4	0	628	628	n/a	n/a
11-9010	Agricultural Managers	32,279	25,405	-6,874	-21.3	0	49	49	n/a	n/a
11-9011	Farm, Ranch, and Other Agricultural Managers	344	359	15	4.4	2	4	6	24.72	4
11-9012	Farmers and Ranchers	31,935	25,046	-6,889	-21.6	0	45	45	n/a	9
11-9021	Construction Managers	3,914	4,789	875	22.4	88	51	139	28.38	5
11-9030	Education Administrators	4,974	5,750	776	15.6	78	118	196	n/a	4
11-9031	Education Admin., Preschool and Child Care	961	1,301	340	35.4	34	23	57	14.36	4
11-9032	Education Admin., Elementary and Secondary	2,906	3,202	296	10.2	30	70	100	n/a	4
11-9033	Education Administrators, Postsecondary	1,035	1,162	127	12.3	13	25	38	34.19	4
11-9041	Engineering Managers	2,516	2,703	187	7.4	19	37	56	36.57	4
11-9051	Food Service Managers	6,892	8,166	1,274	18.5	127	56	183	14.84	8

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Management Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
11-9061	Funeral Directors	958	1,075	117	12.2	12	14	26	18.22	6
11-9081	Lodging Managers	725	782	57	7.9	6	5	11	16.53	8
11-9111	Medical and Health Services Managers	3,674	4,907	1,233	33.6	123	60	183	27.61	4
11-9121	Natural Sciences Managers	315	303	-12	-3.8	0	6	6	35.72	4
11-9131	Postmasters and Mail Superintendents	969	839	-130	-13.4	0	17	17	20.59	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	2,057	2,553	496	24.1	50	21	71	16.03	5
11-9151	Social and Community Service Managers	1,842	2,284	442	24.0	44	24	68	20.35	5
11-9199	Managers, All Other	14,591	14,354	-237	-1.6	0	172	172	29.82	8

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Business & Financial Operations Occs.

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
13-0000	Business and Financial Operations Occs.	47,802	54,822	7,020	14.7	702	894	1,596	n/a	n/a
13-1000	Business Operations Specialists	26,815	30,797	3,982	14.8	398	544	942	n/a	n/a
13-1011	Agents, Mgrs. of Artists, Performers & Athletes	*	*	*	*	*	*	*	18.27	n/a
13-1020	Buyers and Purchasing Agents	4,402	4,702	300	6.8	30	97	127	n/a	n/a
13-1021	Purchasing Agents and Buyers, Farm Products	265	299	34	12.8	3	5	8	16.29	8
13-1022	Wholesale and Retail Buyers, Ex. Farm Prod.	1,256	1,207	-49	-3.9	0	35	35	17.96	5
13-1023	Purch Agents, Ex. Wholesale, Retail, and Farm	2,881	3,196	315	10.9	32	57	89	20.62	5
13-1030	Claims Adj., Appraiser, Examiner, Investigator	1,746	1,853	107	6.1	11	19	30	n/a	n/a
13-1031	Claims Adjusters, Examiners, and Investigators	1,467	1,582	115	7.8	12	16	28	21.44	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	21.80	n/a
13-1041	Compliance Officers, Ex. Agric., Const. & Health	2,060	2,313	253	12.3	25	52	77	20.30	9
13-1051	Cost Estimators	2,371	2,806	435	18.3	44	50	94	21.13	5
13-1061	Emergency Management Specialists	*	*	*	*	*	*	*	18.80	8
13-1070	Human Res., Training & Labor Relations Spec.	5,691	6,811	1,120	19.7	112	106	218	n/a	n/a
13-1071	Employment, Recruitment, and Placement Spec.	2,061	2,423	362	17.6	36	38	74	17.24	5
13-1072	Compensation, Benefits, and Job Analysis Spec.	807	933	126	15.6	13	15	28	19.27	5
13-1073	Training and Development Specialists	2,823	3,455	632	22.4	63	53	116	19.23	5
13-1111	Management Analysts	2,223	2,745	522	23.5	52	15	67	22.51	4
13-1121	Meeting and Convention Planners	287	338	51	17.8	5	4	9	16.32	5
13-1199	Business Operations Specialists, All Other	7,862	9,005	1,143	14.5	114	196	310	23.13	5
13-2000	Financial Specialists	20,987	24,025	3,038	14.5	304	350	654	n/a	n/a
13-2011	Accountants and Auditors	9,207	10,927	1,720	18.7	172	123	295	20.56	5
13-2021	Appraisers and Assessors of Real Estate	317	415	98	30.9	10	9	19	23.45	n/a
13-2031	Budget Analysts	1,048	1,145	97	9.3	10	20	30	23.44	5
13-2041	Credit Analysts	368	454	86	23.4	9	7	16	20.29	5
13-2050	Financial Analysts and Advisors	2,301	2,626	325	14.1	33	29	62	n/a	n/a
13-2051	Financial Analysts	802	974	172	21.4	17	11	28	25.07	5
13-2052	Personal Financial Advisors	734	991	257	35.0	26	6	32	34.56	5
13-2053	Insurance Underwriters	765	661	-104	-13.6	0	12	12	18.34	5
13-2061	Financial Examiners	330	377	47	14.2	5	6	11	21.09	5
13-2070	Loan Counselors and Officers	3,267	3,495	228	7.0	23	61	84	n/a	n/a
13-2071	Loan Counselors	160	189	29	18.1	3	3	6	13.53	5

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Business & Financial Operations Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
13-2072	Loan Officers	3,107	3,306	199	6.4	20	58	78	20.31	5
13-2080	Tax Examiners, Collectors, Preparers & Agents	2,851	2,996	145	5.1	15	70	85	n/a	n/a
13-2081	Tax Examiners, Collectors, and Revenue Agents	2,208	2,282	74	3.4	7	59	66	17.13	5
13-2082	Tax Preparers	643	714	71	11.0	7	11	18	11.03	10
13-2099	Financial Specialists, All Other	1,298	1,590	292	22.5	29	26	55	18.95	5

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed  
Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Computer & Mathematical Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
15-0000	Computer and Mathematical Occupations	25,784	43,383	17,599	68.3	1,760	209	1,969	n/a	n/a
15-1000	Computer Specialists	25,375	42,975	17,600	69.4	1,760	199	1,959	n/a	n/a
15-1011	Computer and Information Scientists, Research	*	*	*	*	*	*	*	32.54	n/a
15-1021	Computer Programmers	3,583	4,217	634	17.7	63	73	136	25.93	5
15-1030	Computer Software Engineers	5,080	9,877	4,797	94.4	480	32	512	n/a	n/a
15-1031	Computer Software Engineers, Applications	3,520	6,868	3,348	95.1	335	22	357	29.89	5
15-1032	Computer Software Eng., Systems Software	1,560	3,009	1,449	92.9	145	10	155	30.03	5
15-1041	Computer Support Specialists	6,231	12,365	6,134	98.4	613	26	639	15.93	6
15-1051	Computer Systems Analysts	4,450	6,548	2,098	47.1	210	37	247	28.27	5
15-1061	Database Administrators	1,024	1,706	682	66.6	68	4	72	23.49	5
15-1071	Network and Computer Systems Administrators	2,367	4,130	1,763	74.5	176	10	186	22.42	5
15-1081	Network Systems and Data Comm. Analysts	1,316	2,221	905	68.8	91	6	97	23.96	5
15-1099	Computer Specialists, All Other	1,271	1,824	553	43.5	55	10	65	22.03	7
15-2000	Mathematical Scientists	409	408	-1	-0.2	0	10	10	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	31.15	n/a
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	n/a
15-2031	Operations Research Analysts	241	240	-1	-0.4	0	8	8	24.77	n/a
15-2041	Statisticians	*	*	*	*	*	*	*	19.75	n/a
15-2090	Miscellaneous Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a
15-2091	Mathematical Technicians	*	*	*	*	*	*	*	n/a	n/a
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Architecture & Engineering Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
17-0000	Architecture & Engineering Occupations	27,457	31,940	4,483	16.3	448	575	1,023	n/a	n/a
17-1000	Architects, Surveyors, & Cartographers	2,190	2,819	629	28.7	63	38	101	n/a	n/a
17-1010	Architects, Except Naval	1,067	1,414	347	32.5	35	5	40	n/a	n/a
17-1011	Architects, Except Landscape and Naval	927	1,217	290	31.3	29	4	33	28.70	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	23.68	n/a
17-1020	Surveyors, Cartographers, & Photogrammetrists	*	*	*	*	*	*	*	n/a	n/a
17-1021	Cartographers and Photogrammetrists	*	*	*	*	*	*	*	16.20	5
17-1022	Surveyors	*	*	*	*	*	*	*	16.40	5
17-1099	Architects, Surveyors, & Cartographers, All Other	*	*	*	*	*	*	*	n/a	n/a
17-2000	Engineers	14,630	16,365	1,735	11.9	174	288	462	n/a	n/a
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	25.94	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	24.15	5
17-2041	Chemical Engineers	473	499	26	5.5	3	8	11	34.25	5
17-2051	Civil Engineers	1,918	2,239	321	16.7	32	29	61	27.34	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	n/a
17-2070	Electrical and Electronics Engineers	1,881	2,373	492	26.2	49	34	83	n/a	n/a
17-2071	Electrical Engineers	*	*	*	*	*	*	*	29.43	5
17-2072	Electronics Engineers, Except Computer	645	827	182	28.2	18	12	30	29.38	5
17-2081	Environmental Engineers	341	447	106	31.1	11	7	18	28.80	5
17-2110	Industrial Engineers, Including Health & Safety	3,126	3,178	52	1.7	5	52	57	n/a	n/a
17-2111	Health & Safety Engineers, Ex. Mining Safety	478	604	126	26.4	13	8	21	24.23	5
17-2112	Industrial Engineers	2,648	2,574	-74	-2.8	0	44	44	28.05	5
17-2121	Marine Engineers and Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	283	266	-17	-6.0	0	6	6	29.10	5
17-2141	Mechanical Engineers	2,548	2,944	396	15.5	40	73	113	28.03	5
17-2151	Mining and Geo. Engineers, Inc. Mining Safety	157	139	-18	-11.5	0	3	3	28.28	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	34.97	n/a
17-2199	Engineers, All Other	2,161	2,061	-100	-4.6	0	42	42	32.85	5

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Architecture & Engineering Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
17-3000	Drafters, Engineering, & Mapping Techs	10,637	12,756	2,119	19.9	212	248	460	n/a	n/a
17-3010	Drafters, Engineering , Mapping Techs	2,706	3,526	820	30.3	82	80	162	n/a	n/a
17-3011	Architectural and Civil Drafters	1,374	1,913	539	39.2	54	41	95	15.93	7
17-3012	Electrical and Electronics Drafters	591	774	183	31.0	18	18	36	16.98	7
17-3013	Mechanical Drafters	741	839	98	13.2	10	22	32	17.36	7
17-3020	Engineering Technicians, Except Drafters	5,798	6,537	739	12.7	74	115	189	n/a	n/a
17-3021	Aerospace Engineering and Operations Techs	*	*	*	*	*	*	*	22.06	n/a
17-3022	Civil Engineering Technicians	1,964	2,279	315	16.0	32	39	71	19.36	6
17-3023	Electrical & Electronic Engineering Technicians	1,733	1,873	140	8.1	14	34	48	21.06	6
17-3024	Electro-Mechanical Technicians	196	195	-1	-0.5	0	4	4	17.77	6
17-3025	Environmental Engineering Technicians	276	343	67	24.3	7	6	13	16.99	6
17-3026	Industrial Engineering Technicians	506	535	29	5.7	3	10	13	19.20	6
17-3027	Mechanical Engineering Technicians	764	880	116	15.2	12	15	27	17.62	6
17-3031	Surveying and Mapping Technicians	838	1,158	320	38.2	32	26	58	14.53	10
17-3099	Drafters, Engineering, Mapping Techs, All Other	1,295	1,535	240	18.5	24	27	51	19.59	6

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Life, Physical & Social Science Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
19-0000	Life, Physical, & Social Science Occs.	11,456	12,905	1,449	12.6	145	307	452	n/a	n/a
19-1000	Life Scientists	2,112	2,288	176	8.3	18	66	84	n/a	n/a
19-1010	Agricultural and Food Scientists	*	*	*	*	*	*	*	n/a	5
19-1020	Biological Scientists	301	351	50	16.6	5	10	15	n/a	n/a
19-1021	Biochemists and Biophysicists	*	*	*	*	*	*	*	30.88	2
19-1022	Microbiologists	*	*	*	*	*	*	*	19.66	2
19-1023	Zoologists and Wildlife Biologists	147	185	38	25.9	4	5	9	19.64	2
19-1030	Conservation Scientists and Foresters	403	412	9	2.2	1	13	14	n/a	n/a
19-1031	Conservation Scientists	179	170	-9	-5.0	0	6	6	24.86	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1040	Medical Scientists	304	338	34	11.2	3	7	10	n/a	n/a
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	n/a
19-1042	Medical Scientists, Except Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1090	Miscellaneous Life Scientists	803	859	56	7.0	6	29	35	n/a	n/a
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-2000	Physical Scientists	1,889	2,046	157	8.3	16	61	77	n/a	n/a
19-2010	Astronomers and Physicists	*	*	*	*	*	*	*	n/a	n/a
19-2011	Astronomers	*	*	*	*	*	*	*	26.83	n/a
19-2012	Physicists	*	*	*	*	*	*	*	40.56	2
19-2021	Atmospheric and Space Scientists	*	*	*	*	*	*	*	24.98	5
19-2030	Chemists and Materials Scientists	923	917	-6	-0.7	0	29	29	n/a	n/a
19-2031	Chemists	909	902	-7	-0.8	0	28	28	26.33	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	30.19	n/a
19-2040	Environmental Scientists and Geoscientists	701	841	140	20.0	14	22	36	n/a	n/a
19-2041	Env. Scientists and Specialists, Inc. Health	416	500	84	20.2	8	13	21	21.41	5
19-2042	Geoscientists, Ex. Hydrologists & Geographers	257	306	49	19.1	5	8	13	20.77	5
19-2043	Hydrologists	*	*	*	*	*	*	*	27.79	5
19-2099	Physical Scientists, All Other	142	146	4	2.8	0	6	6	27.45	5
19-3000	Social Scientists and Related Workers	4,184	5,048	864	20.7	86	81	167	n/a	n/a
19-3011	Economists	*	*	*	*	*	*	*	n/a	n/a
19-3020	Market and Survey Researchers	1,447	1,712	265	18.3	27	29	56	n/a	n/a
19-3021	Market Research Analysts	858	974	116	13.5	12	17	29	23.62	5

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Life, Physical & Social Science Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	n/a
19-3030	Psychologists	1,589	1,943	354	22.3	35	26	61	n/a	n/a
19-3031	Clinical, Counseling, and School Psychologists	1,527	1,859	332	21.7	33	25	58	20.50	3
19-3032	Industrial-Organizational Psychologists	*	*	*	*	*	*	*	n/a	n/a
19-3041	Sociologists	*	*	*	*	*	*	*	n/a	n/a
19-3051	Urban and Regional Planners	*	*	*	*	*	*	*	21.83	3
19-3090	Misc. Social Scientists and Related Workers	618	722	104	16.8	10	14	24	n/a	n/a
19-3091	Anthropologists and Archeologists	*	*	*	*	*	*	*	16.20	n/a
19-3092	Geographers	*	*	*	*	*	*	*	17.36	n/a
19-3093	Historians	*	*	*	*	*	*	*	20.27	n/a
19-3099	Social Scientists and Related Workers, All Other	462	526	64	13.9	6	11	17	21.43	3
<b>19-4000</b>	<b>Life, Physical, &amp; Social Science Techs</b>	<b>3,271</b>	<b>3,523</b>	<b>252</b>	<b>7.7</b>	<b>25</b>	<b>99</b>	<b>124</b>	<b>n/a</b>	<b>n/a</b>
19-4011	Agricultural and Food Science Technicians	194	199	5	2.6	1	5	6	15.28	6
19-4021	Biological Technicians	291	287	-4	-1.4	0	7	7	13.40	6
19-4031	Chemical Technicians	945	974	29	3.1	3	22	25	16.63	6
19-4041	Geological and Petroleum Technicians	*	*	*	*	*	*	*	n/a	n/a
19-4051	Nuclear Technicians	*	*	*	*	*	*	*	n/a	n/a
19-4090	Misc. Life, Physical, and Social Science Techs	1,821	2,045	224	12.3	22	65	87	n/a	n/a
19-4091	Env. Science and Protection Techs, Inc. Health	528	630	102	19.3	10	19	29	18.25	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	n/a
19-4093	Forest and Conservation Technicians	411	457	46	11.2	5	15	20	12.08	6
19-4099	Life, Physical, & Social Science Techs, All Other	787	849	62	7.9	6	28	34	13.79	6

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Community & Social Service Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
21-0000	Community and Social Services Occs.	31,359	40,136	8,777	28.0	878	481	1,359	n/a	n/a
21-1000	Counselors, Social Workers & Services	19,982	26,600	6,618	33.1	662	286	948	n/a	n/a
21-1010	Counselors	5,666	7,189	1,523	26.9	152	112	264	n/a	n/a
21-1011	Substance Abuse & Behavioral Disorder Couns.	562	854	292	52.0	29	11	40	13.77	3
21-1012	Educational, Vocational, & School Counselors	2,395	2,952	557	23.3	56	47	103	21.40	3
21-1013	Marriage and Family Therapists	*	*	*	*	*	*	*	15.15	3
21-1014	Mental Health Counselors	1,688	2,078	390	23.1	39	34	73	13.40	n/a
21-1015	Rehabilitation Counselors	972	1,246	274	28.2	27	19	46	13.67	3
21-1020	Social Workers	9,795	12,452	2,657	27.1	266	107	373	n/a	n/a
21-1021	Child, Family, and School Social Workers	7,400	8,921	1,521	20.6	152	81	233	15.07	5
21-1022	Medical and Public Health Social Workers	1,404	2,071	667	47.5	67	15	82	15.67	5
21-1023	Mental Health & Substance Abuse Soc. Workers	991	1,460	469	47.3	47	11	58	15.53	n/a
21-1090	Misc. Community & Social Service Specialists	4,521	6,959	2,438	53.9	244	67	311	n/a	n/a
21-1091	Health Educators	544	698	154	28.3	15	8	23	16.07	3
21-1092	Probation Officers and Correc. Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social and Human Service Assistants	3,457	5,614	2,157	62.4	216	51	267	10.38	10
21-2000	Religious Workers	10,580	12,591	2,011	19.0	201	106	307	n/a	n/a
21-2011	Clergy	9,236	10,978	1,742	18.9	174	64	238	16.96	3
21-2021	Directors, Religious Activities and Education	1,344	1,613	269	20.0	27	42	69	11.92	5
21-9000	Misc. Counselors, Social & Religious	797	945	148	18.6	15	89	104	n/a	n/a
21-9099	Couns., Social, & Religious Workers, All Other	797	945	148	18.6	15	89	104	14.75	5

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Legal Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
23-0000	Legal Occupations	11,479	13,994	2,515	21.9	252	91	343	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	6,866	8,557	1,691	24.6	169	58	227	n/a	n/a
23-1011	Lawyers	5,873	7,550	1,677	28.6	168	30	198	35.27	1
23-1020	Judges, Magistrates & Other Judicial Workers	993	1,007	14	1.4	1	28	29	n/a	n/a
23-1021	Admin. Law Judges, Adjudicators & Hearing Off.	628	620	-8	-1.3	0	18	18	20.80	4
23-1022	Arbitrators, Mediators, and Conciliators	*	*	*	*	*	*	*	20.64	n/a
23-1023	Judges, Magistrate Judges, and Magistrates	*	*	*	*	*	*	*	n/a	4
23-2000	Legal Support Workers	3,149	3,837	688	21.8	69	21	90	n/a	n/a
23-2011	Paralegals and Legal Assistants	2,154	2,770	616	28.6	62	13	75	15.51	6
23-2090	Miscellaneous Legal Support Workers	995	1,067	72	7.2	7	8	15	n/a	n/a
23-2091	Court Reporters	*	*	*	*	*	*	*	19.34	n/a
23-2092	Law Clerks	481	499	18	3.7	2	4	6	13.35	5
23-2093	Title Examiners, Abstractors, and Searchers	430	463	33	7.7	3	4	7	13.12	10
23-9000	Miscellaneous Legal & Related Workers	1,464	1,600	136	9.3	14	12	26	n/a	n/a
23-9099	Legal and Related Workers, All Other	1,464	1,600	136	9.3	14	12	26	17.09	5

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Education, Training & Library Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
25-0000	Education, Training, and Library Occs.	108,075	126,313	18,238	16.9	1,824	2,202	4,026	n/a	n/a
25-1000	Postsecondary Teachers	17,586	21,993	4,407	25.1	441	473	914	n/a	n/a
25-1011	Business Teachers, Postsecondary #	727	895	168	23.1	17	20	37	39.56	2
25-1020	Math and Computer Teachers, Postsecondary	1,046	1,292	246	23.5	25	28	53	n/a	n/a
25-1021	Computer Science Teachers, Postsecondary #	455	569	114	25.1	11	12	23	35.13	2
25-1022	Mathematical Science Teachers, Postsec. #	591	723	132	22.3	13	16	29	31.01	2
25-1030	Engineering & Architecture Teachers, Postsec.	346	419	73	21.1	7	9	16	n/a	n/a
25-1031	Architecture Teachers, Postsecondary #	*	*	*	*	*	*	*	39.58	n/a
25-1032	Engineering Teachers, Postsecondary #	283	343	60	21.2	6	8	14	46.86	2
25-1040	Life Sciences Teachers, Postsecondary	1,531	1,850	319	20.8	32	41	73	n/a	n/a
25-1041	Agricultural Sciences Teachers, Postsec. #	233	282	49	21.0	5	6	11	44.06	2
25-1042	Biological Science Teachers, Postsecondary #	1,278	1,544	266	20.8	27	34	61	31.35	2
25-1043	Forestry & Conservation Sci. Teachers, Postsec.	*	*	*	*	*	*	*	n/a	n/a
25-1050	Physical Sciences Teachers, Postsecondary	446	538	92	20.6	9	12	21	n/a	n/a
25-1051	Atmospheric, Earth, Marine, Space Sci. Teach. #	*	*	*	*	*	*	*	40.95	2
25-1052	Chemistry Teachers, Postsecondary #	217	262	45	20.7	5	6	11	36.42	2
25-1053	Environmental Sci. Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	n/a
25-1054	Physics Teachers, Postsecondary #	122	146	24	19.7	2	3	5	39.47	2
25-1060	Social Sciences Teachers, Postsecondary	968	1,169	201	20.8	20	26	46	n/a	n/a
25-1061	Anthropology & Archeology Teachers, Postsec. #	*	*	*	*	*	*	*	34.73	n/a
25-1062	Area, Ethnic & Cult. Studies Teacher, Postsec. #	*	*	*	*	*	*	*	35.59	n/a
25-1063	Economics Teachers, Postsecondary #	188	227	39	20.7	4	5	9	47.42	2
25-1064	Geography Teachers, Postsecondary #	*	*	*	*	*	*	*	38.15	n/a
25-1065	Political Science Teachers, Postsecondary #	160	193	33	20.6	3	4	7	40.08	2
25-1066	Psychology Teachers, Postsecondary #	362	438	76	21.0	8	10	18	36.23	2
25-1067	Sociology Teachers, Postsecondary #	119	143	24	20.2	2	3	5	30.95	2
25-1070	Health Teachers, Postsecondary	2,036	2,503	467	22.9	47	55	102	n/a	n/a
25-1071	Health Specialties Teachers, Postsecondary #	1,564	1,922	358	22.9	36	42	78	46.30	2
25-1072	Nursing Instructors & Teachers, Postsec. #	472	581	109	23.1	11	13	24	32.35	3
25-1080	Education & Library Sci. Teachers, Postsec.	1,213	1,466	253	20.9	25	33	58	n/a	n/a
25-1081	Education Teachers, Postsecondary #	1,146	1,385	239	20.9	24	31	55	33.04	2
25-1082	Library Science Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	2

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

# Kentucky Statewide

## Education, Training & Library Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
25-1110	Law, Crim. Just. & Soc. Work Teachers, Postsec.	307	371	64	20.8	6	8	14	n/a	n/a
25-1111	Crim. Justice & Law Enforc. Teacher, Postsec. #	*	*	*	*	*	*	*	34.08	2
25-1112	Law Teachers, Postsecondary	*	*	*	*	*	*	*	n/a	n/a
25-1113	Social Work Teachers, Postsecondary #	147	177	30	20.4	3	4	7	34.15	2
25-1120	Arts, Comm., & Humanities Teachers, Postsec.	2,574	3,116	542	21.1	54	69	123	n/a	n/a
25-1121	Art, Drama & Music Teachers, Postsecondary #	881	1,065	184	20.9	18	24	42	32.72	2
25-1122	Communications Teachers, Postsecondary #	396	480	84	21.2	8	11	19	28.62	2
25-1123	English Language & Lit. Teachers, Postsec. #	678	823	145	21.4	15	18	33	27.59	2
25-1124	Foreign Lang. & Literature Teachers, Postsec. #	194	235	41	21.1	4	5	9	32.23	2
25-1125	History Teachers, Postsecondary #	262	317	55	21.0	6	7	13	32.71	2
25-1126	Philosophy & Religion Teachers, Postsec. #	163	196	33	20.2	3	4	7	33.81	2
25-1190	Miscellaneous Postsecondary Teachers	6,391	8,373	1,982	31.0	198	172	370	n/a	n/a
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	n/a
25-1192	Home Economics Teachers, Postsecondary #	*	*	*	*	*	*	*	31.68	2
25-1193	Rec. & Fitness Studies Teachers, Postsec. #	152	183	31	20.4	3	4	7	29.00	3
25-1194	Vocational Education Teachers, Postsecondary	4,087	5,582	1,495	36.6	150	110	260	19.41	8
25-1199	Postsecondary Teachers, All Other #	1,734	2,101	367	21.2	37	47	84	29.67	2
25-2000	Primary, Secondary & Special Education	49,590	56,319	6,729	13.6	673	1,070	1,743	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	7,932	9,520	1,588	20.0	159	97	256	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	6,596	8,048	1,452	22.0	145	81	226	9.29	5
25-2012	Kindergarten Teachers, Except Special Ed. #	1,336	1,472	136	10.2	14	16	30	25.57	5
25-2020	Elementary and Middle School Teachers	24,548	26,541	1,993	8.1	199	558	757	n/a	n/a
25-2021	Elementary School Teachers, Ex. Special Ed. #	16,812	18,348	1,536	9.1	154	382	536	25.30	5
25-2022	Middle School Teacher, Ex. Special & Voc. Ed. #	7,683	8,135	452	5.9	45	175	220	25.78	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	25.33	n/a
25-2030	Secondary School Teachers	11,129	12,712	1,583	14.2	158	339	497	n/a	n/a
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed. #	10,326	11,835	1,509	14.6	151	314	465	26.18	5
25-2032	Vocational Educ., Secondary School #	803	877	74	9.2	7	25	32	29.08	5
25-2040	Special Education Teachers	5,981	7,546	1,565	26.2	157	76	233	n/a	n/a
25-2041	Special Education Teachers, Primary #	2,858	3,798	940	32.9	94	36	130	24.65	5
25-2042	Special Ed. Teachers, Middle School #	1,419	1,703	284	20.0	28	18	46	25.02	5
25-2043	Special Ed. Teachers, Secondary School #	1,704	2,045	341	20.0	34	22	56	26.22	5

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

# Kentucky Statewide

## Education, Training & Library Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
25-3000	Other Teachers and Instructors	15,848	18,488	2,640	16.7	264	141	405	n/a	n/a
25-3011	Adult Literacy, Remedial Educ., & GED Teachers	402	504	102	25.4	10	4	14	13.34	5
25-3021	Self-Enrichment Education Teachers	1,331	1,585	254	19.1	25	12	37	14.45	8
25-3999	Teachers, Primary, Secondary, Adult, All Other #	14,115	16,399	2,284	16.2	228	126	354	17.42	5
25-4000	Librarians, Curators, and Archivists	3,474	3,947	473	13.6	47	93	140	n/a	n/a
25-4010	Archivists, Curators, and Museum Technicians	249	300	51	20.5	5	4	9	14.30	3
25-4021	Librarians	2,316	2,523	207	8.9	21	48	69	17.90	3
25-4031	Library Technicians	909	1,124	215	23.7	22	41	63	9.68	11
25-9000	Other Education, Training, & Library Occs.	21,577	25,566	3,989	18.5	399	426	825	n/a	n/a
25-9011	Audio-Visual Collections Specialists	*	*	*	*	*	*	*	17.16	n/a
25-9021	Farm and Home Management Advisors	506	500	-6	-1.2	0	7	7	23.22	n/a
25-9031	Instructional Coordinators	1,383	1,683	300	21.7	30	20	50	22.02	3
25-9041	Teacher Assistants #	18,051	21,634	3,583	19.8	358	375	733	12.24	11
25-9199	Library, Museum, Training & Ed. Work, All Other	1,605	1,712	107	6.7	11	23	34	14.29	5

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

# Kentucky Statewide

## Arts, Design, Entertainment, Sports, Media Occs.

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
27-0000	Art, Design, Entertainment, Sports & Media Occs.	21,616	25,908	4,292	19.9	429	279	708	n/a	n/a
27-1000	Art and Design Workers	6,033	7,487	1,454	24.1	145	55	200	n/a	n/a
27-1010	Artists and Related Workers	707	910	203	28.7	20	15	35	n/a	n/a
27-1011	Art Directors	259	335	76	29.3	8	10	18	20.29	4
27-1013	Fine Artists, Inc. Painters, Sculptors & Illustrators	127	154	27	21.3	3	1	4	14.64	9
27-1014	Multi-Media Artists and Animators	321	421	100	31.2	10	3	13	20.46	5
27-1020	Designers	5,085	6,292	1,207	23.7	121	38	159	n/a	n/a
27-1021	Commercial and Industrial Designers	542	647	105	19.4	11	4	15	21.89	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	9.91	5
27-1023	Floral Designers	1,285	1,570	285	22.2	29	10	39	8.20	10
27-1024	Graphic Designers	1,657	2,159	502	30.3	50	13	63	15.12	5
27-1025	Interior Designers	378	433	55	14.6	6	3	9	15.62	5
27-1026	Merchandise Displayers and Window Trimmers	992	1,197	205	20.7	21	7	28	10.48	10
27-1027	Set and Exhibit Designers	*	*	*	*	*	*	*	10.32	5
27-1099	Art and Design Workers, All Other	241	285	44	18.3	4	2	6	17.21	5
27-2000	Entertainers, Performers, & Sports	7,269	8,755	1,486	20.4	149	49	198	n/a	n/a
27-2010	Actors, Producers, and Directors	966	1,162	196	20.3	20	15	35	n/a	n/a
27-2011	Actors	*	*	*	*	*	*	*	n/a	n/a
27-2012	Producers and Directors	670	796	126	18.8	13	11	24	n/a	4
27-2020	Athletes, Coaches, Umpires, & Related Workers	1,263	1,484	221	17.5	22	20	42	n/a	n/a
27-2021	Athletes and Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches and Scouts	1,044	1,208	164	15.7	16	16	32	n/a	9
27-2023	Umpires, Referees, and Other Sports Officials	*	*	*	*	*	*	*	n/a	n/a
27-2030	Dancers and Choreographers	448	455	7	1.6	1	8	9	n/a	n/a
27-2031	Dancers	*	*	*	*	*	*	*	13.16	9
27-2032	Choreographers	259	264	5	1.9	1	5	6	12.39	8
27-2040	Musicians, Singers, and Related Workers	4,528	5,584	1,056	23.3	106	6	112	n/a	n/a
27-2041	Music Directors and Composers	923	1,087	164	17.8	16	0	16	n/a	4
27-2042	Musicians and Singers	3,605	4,497	892	24.7	89	5	94	n/a	9
27-2099	Entertainers and Performers, Sports, All Other	*	*	*	*	*	*	*	n/a	9

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

Arts, Design, Entertainment, Sports, Media Occs (cont'd)

## Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
27-3000	Media and Communication Workers	6,128	7,239	1,111	18.1	111	134	245	n/a	n/a
27-3010	Announcers	1,232	1,191	-41	-3.3	0	16	16	12.25	9
27-3020	News Analysts, Reporters and Correspondents	996	1,042	46	4.6	5	29	34	16.48	9
27-3031	Public Relations Specialists	1,733	2,347	614	35.4	61	28	89	18.14	5
27-3040	Writers and Editors	1,883	2,308	425	22.6	43	57	100	n/a	n/a
27-3041	Editors	1,059	1,270	211	19.9	21	39	60	16.76	5
27-3042	Technical Writers	344	440	96	27.9	10	9	19	22.61	5
27-3043	Writers and Authors	480	598	118	24.6	12	9	21	18.32	5
27-3090	Misc. Media and Communication Workers	284	351	67	23.6	7	5	12	n/a	n/a
27-3091	Interpreters and Translators	151	199	48	31.8	5	3	8	15.58	9
27-3099	Media and Communication Workers, All Other	133	152	19	14.3	2	2	4	14.76	9
27-4000	Media & Communication Equip. Workers	2,186	2,427	241	11.0	24	41	65	n/a	n/a
27-4010	Broadcast, Sound Eng. Tech & Radio Operators	677	710	33	4.9	3	18	21	n/a	n/a
27-4011	Audio and Video Equipment Technicians	204	230	26	12.7	3	6	9	15.51	9
27-4012	Broadcast Technicians	433	442	9	2.1	1	12	13	13.79	7
27-4013	Radio Operators	*	*	*	*	*	*	*	n/a	n/a
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	n/a
27-4021	Photographers	973	1,121	148	15.2	15	11	26	11.58	9
27-4030	Television, Video, & Motion Picture Camera Ops	423	480	57	13.5	6	7	13	n/a	n/a
27-4031	Camera Operators, TV, Video & Motion Picture	265	301	36	13.6	4	4	8	12.20	10
27-4032	Film and Video Editors	158	179	21	13.3	2	3	5	12.14	5
27-4099	Media and Comm. Equipment Workers, All Other	113	116	3	2.7	0	5	5	18.14	10

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Healthcare Practitioners & Technical Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
29-0000	Healthcare Practitioners & Tech. Occs.	91,017	117,854	26,837	29.5	2,684	1,930	4,614	n/a	n/a
29-1000	Health Diagnosing & Treating Pract.	55,965	73,241	17,276	30.9	1,728	1,115	2,843	n/a	n/a
29-1011	Chiropractors	591	783	192	32.5	19	4	23	19.59	n/a
29-1020	Dentists	1,223	1,515	292	23.9	29	17	46	50.62	1
29-1031	Dietitians and Nutritionists	735	937	202	27.5	20	18	38	19.70	5
29-1041	Optometrists	396	522	126	31.8	13	6	19	31.70	n/a
29-1051	Pharmacists	3,635	4,476	841	23.1	84	106	190	36.43	1
29-1060	Physicians and Surgeons	6,471	7,958	1,487	23.0	149	82	231	n/a	1
29-1061	Anesthesiologists	248	312	64	25.8	6	3	9	68.95	1
29-1062	Family and General Practitioners	1,024	1,218	194	18.9	19	13	32	57.77	1
29-1063	Internists, General	651	816	165	25.3	17	8	25	63.19	1
29-1064	Obstetricians and Gynecologists	394	491	97	24.6	10	5	15	66.27	1
29-1065	Pediatricians, General	*	*	*	*	*	*	*	53.86	1
29-1066	Psychiatrists	164	215	51	31.1	5	2	7	59.76	1
29-1067	Surgeons	1,667	2,104	437	26.2	44	21	65	62.53	1
29-1069	Physicians and Surgeons, All Other	1,747	2,087	340	19.5	34	22	56	64.98	1
29-1071	Physician Assistants	1,431	2,305	874	61.1	87	31	118	29.58	5
29-1081	Podiatrists	*	*	*	*	*	*	*	63.97	n/a
29-1111	Registered Nurses	33,820	44,168	10,348	30.6	1,035	676	1,711	20.29	6
29-1120	Therapists	6,495	9,096	2,601	40.0	260	156	416	n/a	n/a
29-1121	Audiologists	*	*	*	*	*	*	*	21.43	3
29-1122	Occupational Therapists	1,158	1,658	500	43.2	50	28	78	24.96	5
29-1123	Physical Therapists	2,066	3,026	960	46.5	96	49	145	26.17	3
29-1124	Radiation Therapists	144	164	20	13.9	2	3	5	21.99	6
29-1125	Recreational Therapists	261	285	24	9.2	2	6	8	12.05	5
29-1126	Respiratory Therapists	1,306	1,855	549	42.0	55	33	88	16.54	6
29-1127	Speech-Language Pathologists	1,480	1,995	515	34.8	52	36	88	21.33	3
29-1131	Veterinarians	608	772	164	27.0	16	8	24	34.00	1
29-1199	Health Diag. & Treating Practitioners, All Other	536	681	145	27.1	15	11	26	44.19	1

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Healthcare Practitioners & Technical Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
29-2000	Health Technologists and Technicians	32,227	41,193	8,966	27.8	897	778	1,675	n/a	n/a
29-2010	Clinical Laboratory Technologists & Technicians	3,896	4,539	643	16.5	64	91	155	n/a	n/a
29-2011	Medical and Clinical Laboratory Technologists	2,169	2,433	264	12.2	26	51	77	18.80	5
29-2012	Medical and Clinical Laboratory Technicians	1,727	2,106	379	21.9	38	40	78	13.49	6
29-2021	Dental Hygienists	1,148	1,686	538	46.9	54	17	71	19.71	6
29-2030	Diagnostic Related Technologists & Tech.	4,077	5,063	986	24.2	99	90	189	n/a	n/a
29-2031	Cardiovascular Technologists and Technicians	672	941	269	40.0	27	15	42	16.56	6
29-2032	Diagnostic Medical Sonographers	295	366	71	24.1	7	7	14	21.17	6
29-2033	Nuclear Medicine Technologists	286	353	67	23.4	7	6	13	19.08	6
29-2034	Radiologic Technologists and Technicians	2,824	3,403	579	20.5	58	62	120	16.68	6
29-2041	Emergency Medical Technicians & Paramedics	*	*	*	*	*	*	*	9.90	7
29-2050	Health Diag. & Treating Practitioner Support	6,069	8,091	2,022	33.3	202	157	359	n/a	n/a
29-2051	Dietetic Technicians	125	165	40	32.0	4	3	7	11.31	10
29-2052	Pharmacy Technicians	3,252	4,333	1,081	33.2	108	84	192	9.66	10
29-2053	Psychiatric Technicians	331	347	16	4.8	2	9	11	8.96	n/a
29-2054	Respiratory Therapy Technicians	745	1,039	294	39.5	29	19	48	13.85	7
29-2055	Surgical Technologists	1,168	1,641	473	40.5	47	30	77	13.85	7
29-2056	Veterinary Technologists and Technicians	448	566	118	26.3	12	12	24	10.28	6
29-2061	Licensed Practical & Vocational Nurses	11,409	13,829	2,420	21.2	242	292	534	13.40	7
29-2071	Medical Records and Health Info. Technicians	2,044	2,953	909	44.5	91	46	137	11.63	6
29-2081	Opticians, Dispensing	622	824	202	32.5	20	11	31	13.01	9
29-2090	Misc. Health Technologists and Technicians	*	*	*	*	*	*	*	n/a	n/a
29-2091	Orthotists and Prosthetists	*	*	*	*	*	*	*	18.92	n/a
29-9000	Other Health Technologists, Technicians	2,825	3,420	595	21.1	60	37	97	n/a	n/a
29-9010	Occ. Health & Safety Specialists & Technicians	1,199	1,349	150	12.5	15	31	46	22.39	5
29-9090	Misc. Health Practitioners & Technical Workers	1,626	2,071	445	27.4	45	5	50	n/a	n/a
29-9091	Athletic Trainers	209	242	33	15.8	3	5	8	n/a	5

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Healthcare Support Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
31-0000	Healthcare Support Occupations	45,090	61,000	15,910	35.3	1,591	777	2,368	n/a	n/a
31-1000	Nursing, Psychiatric, Home Health Aides	27,364	35,768	8,404	30.7	840	339	1,179	n/a	n/a
31-1010	Nursing, Psychiatric, and Home Health Aides	27,364	35,768	8,404	30.7	840	339	1,179	n/a	n/a
31-1011	Home Health Aides	5,284	8,408	3,124	59.1	312	66	378	8.28	11
31-1012	Nursing Aides, Orderlies, and Attendants	21,623	26,852	5,229	24.2	523	268	791	8.60	11
31-1013	Psychiatric Aides	457	508	51	11.2	5	6	11	9.65	11
31-2000	Occ. and Physical Therapist Asst., Aides	1,867	2,831	964	51.6	96	55	151	n/a	n/a
31-2010	Occupational Therapist Assistants and Aides	297	429	132	44.4	13	9	22	n/a	n/a
31-2011	Occupational Therapist Assistants	172	241	69	40.1	7	5	12	17.10	6
31-2012	Occupational Therapist Aides	125	188	63	50.4	6	4	10	13.22	11
31-2020	Physical Therapist Assistants and Aides	1,570	2,402	832	53.0	83	46	129	n/a	n/a
31-2021	Physical Therapist Assistants	971	1,479	508	52.3	51	29	80	15.86	6
31-2022	Physical Therapist Aides	599	923	324	54.1	32	18	50	9.47	11
31-9000	Other Healthcare Support Occupations	15,859	22,401	6,542	41.3	654	383	1,037	n/a	n/a
31-9011	Massage Therapists	*	*	*	*	*	*	*	12.32	7
31-9090	Misc. Healthcare Support Occupations	15,701	22,217	6,516	41.5	652	380	1,032	n/a	n/a
31-9091	Dental Assistants	3,648	5,378	1,730	47.4	173	65	238	11.66	10
31-9092	Medical Assistants	5,483	8,621	3,138	57.2	314	143	457	10.96	10
31-9093	Medical Equipment Preparers	630	757	127	20.2	13	17	30	10.86	11
31-9094	Medical Transcriptionists	1,589	2,043	454	28.6	45	41	86	11.92	7
31-9095	Pharmacy Aides	1,033	1,169	136	13.2	14	27	41	8.50	11
31-9096	Veterinary Assts. & Lab Animal Caretakers	609	773	164	26.9	16	16	32	8.57	11
31-9099	Healthcare Support Workers, All Other	2,709	3,476	767	28.3	77	70	147	10.28	11

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Protective Service Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
33-0000	Protective Service Occupations	32,629	41,975	9,346	28.6	935	929	1,864	n/a	n/a
33-1000	Supervisors, Prot. Service	3,425	4,288	863	25.2	86	93	179	n/a	n/a
33-1010	Supervisors, Law Enforcement Workers	1,833	2,344	511	27.9	51	43	94	n/a	n/a
33-1011	Supervisors of Correctional Officers	687	910	223	32.5	22	12	34	17.58	8
33-1012	Supervisors of Police and Detectives	1,146	1,434	288	25.1	29	31	60	22.81	8
33-1021	Supervisors, Fire Fighting & Prevention	807	987	180	22.3	18	26	44	18.82	8
33-1099	Supervisors, Protective Service, All Other	785	957	172	21.9	17	24	41	14.37	8
33-2000	Fire Fighting and Prevention Workers	2,417	2,976	559	23.1	56	63	119	n/a	n/a
33-2011	Fire Fighters	2,326	2,867	541	23.3	54	60	114	11.82	9
33-2020	Fire Inspectors	*	*	*	*	*	*	*	n/a	n/a
33-2021	Fire Inspectors and Investigators	*	*	*	*	*	*	*	17.02	8
33-2022	Forest Fire Inspectors and Prevention Specialists	*	*	*	*	*	*	*	n/a	8
33-3000	Law Enforcement Workers	11,287	15,013	3,726	33.0	373	254	627	n/a	n/a
33-3010	Bailiffs, Correctional Officers, and Jailers	5,382	7,081	1,699	31.6	170	131	301	n/a	n/a
33-3011	Bailiffs	137	175	38	27.7	4	3	7	10.28	10
33-3012	Correctional Officers and Jailers	5,245	6,906	1,661	31.7	166	127	293	11.27	10
33-3021	Detectives and Criminal Investigators	524	628	104	19.8	10	12	22	21.62	8
33-3031	Fish and Game Wardens	*	*	*	*	*	*	*	n/a	9
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	9.34	11
33-3050	Police Officers	5,215	7,117	1,902	36.5	190	110	300	n/a	n/a
33-3051	Police and Sheriff's Patrol Officers	5,188	7,096	1,908	36.8	191	109	300	15.19	9
33-3052	Transit and Railroad Police	*	*	*	*	*	*	*	n/a	9
33-9000	Other Protective Service Workers	15,500	19,698	4,198	27.1	420	520	940	n/a	n/a
33-9011	Animal Control Workers	125	147	22	17.6	2	10	12	7.96	10
33-9021	Private Detectives and Investigators	425	573	148	34.8	15	8	23	12.11	8
33-9032	Security Guards	12,891	16,485	3,594	27.9	359	352	711	8.73	11
33-9090	Miscellaneous Protective Service Workers	2,059	2,493	434	21.1	43	150	193	n/a	n/a
33-9091	Crossing Guards	155	180	25	16.1	3	5	8	7.58	11
33-9099	Protective Service Workers, All Other	1,904	2,313	409	21.5	41	145	186	10.60	11

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Food Preparation & Serving Related Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
35-0000	Food Preparation & Serving Related Occs.	142,714	168,225	25,511	17.9	2,551	6,268	8,819	n/a	n/a
35-1000	Supervisors, Food Preparation & Serving	12,218	13,824	1,606	13.1	161	299	460	n/a	n/a
35-1010	Supervisors of Food Prep. and Serving	12,218	13,824	1,606	13.1	161	299	460	n/a	n/a
35-1011	Chefs and Head Cooks	1,211	1,307	96	7.9	10	37	47	12.76	7
35-1012	Supervisors of Food Prep. and Servng	11,007	12,517	1,510	13.7	151	263	414	10.34	8
35-2000	Cooks and Food Preparation Workers	48,438	53,156	4,718	9.7	472	1,473	1,945	n/a	n/a
35-2010	Cooks	37,922	40,745	2,823	7.4	282	1,069	1,351	n/a	n/a
35-2011	Cooks, Fast Food	15,432	15,640	208	1.3	21	434	455	6.97	11
35-2012	Cooks, Institution and Cafeteria	11,539	11,843	304	2.6	30	328	358	8.06	9
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	8,442	10,524	2,082	24.7	208	236	444	8.66	9
35-2015	Cooks, Short Order	2,460	2,697	237	9.6	24	69	93	7.01	11
35-2021	Food Preparation Workers	10,516	12,411	1,895	18.0	190	404	594	7.87	11
35-3000	Food and Beverage Serving Workers	69,052	88,275	19,223	27.8	1,922	4,060	5,982	n/a	n/a
35-3011	Bartenders	4,890	5,518	628	12.8	63	191	254	6.92	11
35-3020	Fast Food and Counter Workers	41,829	55,958	14,129	33.8	1,413	2,641	4,054	n/a	n/a
35-3021	Combined Food Prep. & Serving , Inc. Fast Food	36,692	50,062	13,370	36.4	1,337	2,245	3,582	6.66	11
35-3022	Counter Attendants, Cafeteria, Food Concession	5,137	5,896	759	14.8	76	396	472	6.81	11
35-3031	Waiters and Waitresses	20,292	24,520	4,228	20.8	423	1,138	1,561	6.84	11
35-3041	Food Servers, Nonrestaurant	2,041	2,279	238	11.7	24	90	114	7.42	11
35-9000	Other Food Prep. & Serving Related	13,006	12,970	-36	-0.3	0	436	436	n/a	n/a
35-9011	Dining Room, Cafeteria Attendants, Bar Helpers	3,591	3,341	-250	-7.0	0	120	120	7.19	11
35-9021	Dishwashers	5,266	4,848	-418	-7.9	0	197	197	7.35	11
35-9031	Hosts and Hostesses, Restaurant & Lounge	3,743	4,366	623	16.6	62	105	167	7.21	11
35-9099	Food Prep. & Serving Related Workers, All Other	406	415	9	2.2	1	14	15	8.30	n/a

~ Education/Training Required Codes- Page n/a - Not Available \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Building, Grounds Cleaning & Maintenance Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
37-0000	Bldg. & Grounds Cleaning & Maintenance	69,480	80,252	10,772	15.5	1,077	1,296	2,373	n/a	n/a
37-1000	Supervisors, Bldg. & Grounds Cleaning	4,341	4,940	599	13.8	60	80	140	n/a	n/a
37-1010	Supervisors, Building and Grounds	4,341	4,940	599	13.8	60	80	140	n/a	n/a
37-1011	Supervisors, Housekeeping & Janitors	2,772	3,146	374	13.5	37	74	111	11.90	8
37-1012	Supervisors, Landscaping, Lawn	1,569	1,794	225	14.3	23	6	29	15.20	8
37-2000	Bldg. Cleaning & Pest Control Workers	52,410	58,932	6,522	12.4	652	921	1,573	n/a	n/a
37-2010	Building Cleaning Workers	51,435	57,639	6,204	12.1	620	904	1,524	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	32,022	37,109	5,087	15.9	509	485	994	8.49	11
37-2012	Maids and Housekeeping Cleaners	19,413	20,530	1,117	5.8	112	419	531	7.64	11
37-2021	Pest Control Workers	975	1,293	318	32.6	32	18	50	10.80	10
37-3000	Grounds Maintenance Workers	11,943	15,433	3,490	29.2	349	282	631	n/a	n/a
37-3010	Grounds Maintenance Workers	11,943	15,433	3,490	29.2	349	282	631	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	10,111	13,226	3,115	30.8	312	240	552	9.34	11
37-3012	Pesticide Handlers and Sprayers, Vegetation	261	303	42	16.1	4	6	10	11.31	10
37-3013	Tree Trimmers and Pruners	1,528	1,851	323	21.1	32	35	67	9.54	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	10.27	11
37-9000	Misc. Bldg. & Grounds Cleaning & Maint.	786	947	161	20.5	16	14	30	n/a	n/a
37-9099	Building & Grounds Cleaning & Maint., All Other	786	947	161	20.5	16	14	30	9.40	11

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Personal Care & Service Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
39-0000	Personal Care and Service Occupations	50,395	62,117	11,722	23.3	1,172	1,152	2,324	n/a	n/a
39-1000	Supervisors, Personal Care & Service	973	1,195	222	22.8	22	19	41	n/a	n/a
39-1021	Supervisors, Personal Service Workers	973	1,195	222	22.8	22	19	41	13.91	8
39-2000	Animal Care and Service Workers	2,201	2,807	606	27.5	61	31	92	n/a	n/a
39-2011	Animal Trainers	645	794	149	23.1	15	6	21	12.64	n/a
39-2021	Nonfarm Animal Caretakers	1,556	2,013	457	29.4	46	25	71	8.07	11
39-3000	Entertainment Attendants & Related	3,530	4,222	692	19.6	69	202	271	n/a	n/a
39-3012	Gaming and Sports Book Writers and Runners	*	*	*	*	*	*	*	n/a	n/a
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	7.98	11
39-3031	Ushers, Lobby Attendants, and Ticket Takers	1,329	1,556	227	17.1	23	107	130	7.00	11
39-3090	Misc. Entertainment Attendants and Related	2,077	2,548	471	22.7	47	80	127	n/a	n/a
39-3091	Amusement and Recreation Attendants	1,749	2,158	409	23.4	41	57	98	6.89	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	8
39-3093	Locker, Coatroom, & Dressing Room Attendants	*	*	*	*	*	*	*	n/a	8
39-4000	Funeral Service Workers	628	714	86	13.7	9	14	23	n/a	n/a
39-4011	Embalmers	224	223	-1	-0.4	0	5	5	16.54	7
39-4021	Funeral Attendants	404	491	87	21.5	9	9	18	7.53	11
39-5000	Personal Appearance Workers	6,943	7,730	787	11.3	79	93	172	n/a	n/a
39-5010	Barbers and Cosmetologists	6,452	7,139	687	10.6	69	85	154	n/a	n/a
39-5011	Barbers	527	625	98	18.6	10	3	13	15.17	n/a
39-5012	Hairdressers, Hairstylists, and Cosmetologists	5,925	6,514	589	9.9	59	81	140	11.06	7
39-5090	Miscellaneous Personal Appearance Workers	491	591	100	20.4	10	9	19	n/a	n/a
39-5091	Makeup Artists, Theatrical and Performance	*	*	*	*	*	*	*	n/a	11
39-5092	Manicurists and Pedicurists	251	302	51	20.3	5	4	9	11.16	7
39-5093	Shampooers	*	*	*	*	*	*	*	7.19	n/a
39-5094	Skin Care Specialists	*	*	*	*	*	*	*	11.02	7
39-6000	Transportation, Tourism, & Lodging	4,756	6,426	1,670	35.1	167	161	328	n/a	n/a
39-6010	Baggage Porters, Bellhops, and Concierges	405	430	25	6.2	3	14	17	n/a	n/a
39-6011	Baggage Porters and Bellhops	291	303	12	4.1	1	10	11	6.66	11
39-6012	Concierges	114	127	13	11.4	1	4	5	8.32	n/a

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Personal Care & Service Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
39-6020	Tour and Travel Guides	376	407	31	8.2	3	11	14	n/a	n/a
39-6021	Tour Guides and Escorts	340	365	25	7.4	3	10	13	8.07	n/a
39-6022	Travel Guides	*	*	*	*	*	*	*	9.45	n/a
39-6030	Transportation Attendants	3,975	5,589	1,614	40.6	161	137	298	n/a	n/a
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	n/a
39-6032	Transportation Attendants, Ex. Flight & Baggage	*	*	*	*	*	*	*	n/a	n/a
<b>39-9000</b>	<b>Other Personal Care &amp; Service Workers</b>	<b>31,364</b>	<b>39,023</b>	<b>7,659</b>	<b>24.4</b>	<b>766</b>	<b>631</b>	<b>1,397</b>	<b>n/a</b>	<b>n/a</b>
39-9011	Child Care Workers	21,066	25,129	4,063	19.3	406	407	813	7.33	11
39-9021	Personal and Home Care Aides	2,044	3,375	1,331	65.1	133	31	164	7.55	11
39-9030	Recreation and Fitness Workers	6,172	7,842	1,670	27.1	167	151	318	n/a	n/a
39-9031	Fitness Trainers and Aerobics Instructors	1,258	1,613	355	28.2	36	25	61	10.67	7
39-9032	Recreation Workers	*	*	*	*	*	*	*	14.09	5
39-9041	Residential Advisors	1,150	1,536	386	33.6	39	25	64	9.04	10
39-9099	Personal Care and Service Workers, All Other	932	1,141	209	22.4	21	18	39	9.79	10

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Sales & Related Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
41-0000	Sales and Related Occupations	201,216	230,787	29,571	14.7	2,957	6,315	9,272	n/a	n/a
41-1000	Supervisors, Sales Workers	31,689	35,659	3,970	12.5	397	314	711	n/a	n/a
41-1010	Supervisors of Sales Workers	31,689	35,659	3,970	12.5	397	314	711	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	27,839	31,294	3,455	12.4	346	270	616	13.36	8
41-1012	Supervisors, Non-Retail Sales Workers	3,850	4,365	515	13.4	52	44	96	23.77	8
41-2000	Retail Sales Workers	118,048	135,216	17,168	14.5	1,717	4,957	6,674	n/a	n/a
41-2011	Cashiers	52,392	59,365	6,973	13.3	697	2,360	3,057	7.21	11
41-2020	Counter & Rental Clerks & Parts Salespersons	10,056	10,900	844	8.4	84	388	472	n/a	n/a
41-2021	Counter and Rental Clerks	6,014	7,064	1,050	17.5	105	268	373	8.19	11
41-2022	Parts Salespersons	4,042	3,836	-206	-5.1	0	120	120	10.83	10
41-2031	Retail Salespersons	55,600	64,951	9,351	16.8	935	2,204	3,139	9.18	11
41-3000	Sales Representatives, Services	12,616	14,697	2,081	16.5	208	203	411	n/a	n/a
41-3011	Advertising Sales Agents	1,859	2,339	480	25.8	48	37	85	15.44	10
41-3021	Insurance Sales Agents	5,393	5,620	227	4.2	23	97	120	22.20	5
41-3031	Securities, Commodities, Financial Svs. Sales	3,002	3,821	819	27.3	82	19	101	27.18	5
41-3041	Travel Agents	700	781	81	11.6	8	16	24	11.17	7
41-3099	Sales Representatives, Services, All Other	1,662	2,136	474	28.5	47	33	80	18.10	10
41-4000	Sales Representatives, Wholesale & Mfg.	22,056	24,398	2,342	10.6	234	574	808	n/a	n/a
41-4010	Sales Representatives, Wholesale and Mfg.	22,056	24,398	2,342	10.6	234	574	808	n/a	n/a
41-4011	Sales Reps, Wholesale & Mfg., Tech. & Scientific	5,118	5,850	732	14.3	73	133	206	30.38	10
41-4012	Sales Reps, Wholesale & Mfg., Ex. Tech & Sci.	16,938	18,548	1,610	9.5	161	440	601	20.72	10
41-9000	Other Sales and Related Workers	16,807	20,817	4,010	23.9	401	268	669	n/a	n/a
41-9010	Models, Demonstrators, and Product Promoters	1,019	1,296	277	27.2	28	32	60	n/a	n/a
41-9011	Demonstrators and Product Promoters	998	1,268	270	27.1	27	31	58	12.75	10
41-9012	Models	*	*	*	*	*	*	*	11.97	n/a
41-9020	Real Estate Brokers and Sales Agents	3,957	4,700	743	18.8	74	25	99	n/a	n/a
41-9021	Real Estate Brokers	545	667	122	22.4	12	4	16	17.55	8
41-9022	Real Estate Sales Agents	3,412	4,033	621	18.2	62	21	83	14.75	7
41-9031	Sales Engineers	526	573	47	8.9	5	14	19	27.79	5
41-9041	Telemarketers	4,516	5,651	1,135	25.1	114	83	197	8.96	11
41-9090	Miscellaneous Sales and Related Workers	6,789	8,597	1,808	26.6	181	114	295	n/a	n/a
41-9091	Door-To-Door, News, Street Vendors & Related	1,850	2,172	322	17.4	32	15	47	16.17	11
41-9099	Sales and Related Workers, All Other	4,939	6,425	1,486	30.1	149	99	248	15.94	10

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Office & Administrative Support Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-0000	Office and Administrative Support Occs.	303,146	337,297	34,151	11.3	3,415	6,481	9,896	n/a	n/a
43-1000	Supervisors, Office & Admin. Support	17,902	20,292	2,390	13.4	239	345	584	n/a	n/a
43-1011	First-Line Supervisors, Office & Admin. Workers	17,902	20,292	2,390	13.4	239	345	584	16.92	8
43-2000	Communications Equipment Operators	3,103	2,495	-608	-19.6	0	91	91	n/a	n/a
43-2011	Switchboard Operators, Inc. Answering Service	2,548	2,143	-405	-15.9	0	75	75	9.44	11
43-2021	Telephone Operators	*	*	*	*	*	*	*	n/a	11
43-2099	Communications Equip. Operators, All Other	*	*	*	*	*	*	*	12.44	11
43-3000	Financial Clerks	51,432	55,717	4,285	8.3	429	1,278	1,707	n/a	n/a
43-3011	Bill and Account Collectors	4,684	6,316	1,632	34.8	163	116	279	11.29	11
43-3021	Billing & Posting Clerks & Machine Operators	9,789	11,346	1,557	15.9	156	239	395	11.25	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	24,827	26,627	1,800	7.3	180	422	602	11.86	10
43-3051	Payroll and Timekeeping Clerks	2,959	2,968	9	0.3	1	85	86	12.65	11
43-3061	Procurement Clerks	1,018	894	-124	-12.2	0	23	23	13.17	11
43-3071	Tellers	8,155	7,566	-589	-7.2	0	392	392	8.91	11
43-4000	Information and Record Clerks	66,936	82,264	15,328	22.9	1,533	1,200	2,733	n/a	n/a
43-4011	Brokerage Clerks	600	634	34	5.7	3	8	11	12.46	10
43-4021	Correspondence Clerks	225	245	20	8.9	2	7	9	12.86	11
43-4031	Court, Municipal, and License Clerks	3,074	3,694	620	20.2	62	49	111	12.24	11
43-4041	Credit Authorizers, Checkers, and Clerks	602	659	57	9.5	6	6	12	14.12	11
43-4051	Customer Service Representatives	21,643	29,835	8,192	37.9	819	183	1,002	11.79	10
43-4061	Eligibility Interviewers, Government Programs	506	483	-23	-4.5	0	15	15	16.10	10
43-4071	File Clerks	2,891	3,230	339	11.7	34	91	125	8.86	11
43-4081	Hotel, Motel, and Resort Desk Clerks	2,536	3,137	601	23.7	60	111	171	7.48	11
43-4111	Interviewers, Except Eligibility and Loan	2,627	3,441	814	31.0	81	56	137	9.88	11
43-4121	Library Assistants, Clerical	1,406	1,831	425	30.2	43	63	106	7.82	11
43-4131	Loan Interviewers and Clerks	2,322	1,718	-604	-26.0	0	16	16	11.02	11
43-4141	New Accounts Clerks	557	593	36	6.5	4	12	16	11.15	8
43-4151	Order Clerks	3,919	3,233	-686	-17.5	0	83	83	11.05	11
43-4161	Human Res. Asst., Ex. Payroll & Timekeeping	1,835	2,136	301	16.4	30	42	72	13.06	11
43-4171	Receptionists and Information Clerks	14,103	17,907	3,804	27.0	380	302	682	9.30	11
43-4181	Reservation, Transp. Ticket Agent, Travel Clerk	*	*	*	*	*	*	*	n/a	11
43-4999	Financial, Information & Record Clerks, All Other	3,796	3,980	184	4.8	18	49	67	13.34	11

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Office & Administrative Support Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-5000	Material Recording, Dispatch & Dist.	61,890	65,724	3,834	6.2	383	1,734	2,117	n/a	n/a
43-5011	Cargo and Freight Agents	551	697	146	26.5	15	11	26	14.73	10
43-5021	Couriers and Messengers	3,447	3,072	-375	-10.9	0	88	88	9.66	11
43-5030	Dispatchers	3,393	4,103	710	20.9	71	55	126	n/a	n/a
43-5031	Police, Fire, and Ambulance Dispatchers	1,288	1,651	363	28.2	36	21	57	11.20	10
43-5032	Dispatchers, Except Police, Fire & Ambulance	2,105	2,452	347	16.5	35	34	69	14.00	10
43-5041	Meter Readers, Utilities	1,069	833	-236	-22.1	0	26	26	12.62	11
43-5050	Postal Service Workers	10,160	8,800	-1,360	-13.4	0	275	275	n/a	n/a
43-5051	Postal Service Clerks	1,275	1,105	-170	-13.3	0	28	28	18.22	11
43-5052	Postal Service Mail Carriers	6,307	5,461	-846	-13.4	0	191	191	17.91	11
43-5053	Postal Service Mail Sorters and Processors	2,578	2,234	-344	-13.3	0	56	56	14.00	11
43-5061	Production, Planning, and Expediting Clerks	4,136	4,814	678	16.4	68	69	137	15.25	11
43-5071	Shipping, Receiving, and Traffic Clerks	10,654	12,239	1,585	14.9	159	214	373	11.32	11
43-5081	Stock Clerks and Order Fillers	26,691	29,071	2,380	8.9	238	946	1,184	9.84	11
43-5111	Weighers, Measurers, Checkers abd Samplers	1,350	1,628	278	20.6	28	33	61	11.09	11
43-5199	Material Record, Sched, Dispatch, Dist, All Other	439	467	28	6.4	3	16	19	12.99	11
43-6000	Secretaries & Administrative Assistants	54,047	57,942	3,895	7.2	390	911	1,301	n/a	n/a
43-6010	Secretaries and Administrative Assistants	54,047	57,942	3,895	7.2	390	911	1,301	n/a	n/a
43-6011	Executive Secretaries and Admin. Assistants	20,210	22,533	2,323	11.5	232	356	588	14.41	10
43-6012	Legal Secretaries	2,067	2,447	380	18.4	38	35	73	14.44	7
43-6013	Medical Secretaries	3,743	4,486	743	19.9	74	63	137	10.68	7
43-6014	Secretaries, Except Legal, Medical & Executive	28,027	28,476	449	1.6	45	458	503	10.66	10
43-9000	Other Office & Admin. Support Workers	47,836	52,863	5,027	10.5	503	922	1,425	n/a	n/a
43-9011	Computer Operators	1,386	1,153	-233	-16.8	0	25	25	13.94	10
43-9020	Data Entry and Information Processing Workers	7,570	7,964	394	5.2	39	120	159	n/a	n/a
43-9021	Data Entry Keyers	6,199	6,736	537	8.7	54	96	150	9.45	10
43-9022	Word Processors and Typists	1,371	1,228	-143	-10.4	0	24	24	11.06	10
43-9031	Desktop Publishers	461	785	324	70.3	32	8	40	12.56	7
43-9041	Insurance Claims and Policy Processing Clerks	2,099	1,523	-576	-27.4	0	36	36	14.57	10
43-9051	Mail Clerks & Mail Mach. Oper., Ex. Postal Serv.	2,530	2,867	337	13.3	34	73	107	9.91	11
43-9061	Office Clerks, General	29,111	33,857	4,746	16.3	475	562	1,037	10.20	11
43-9071	Office Machine Operators, Except Computer	989	874	-115	-11.6	0	34	34	10.04	11
43-9081	Proofreaders and Copy Markers	434	441	7	1.6	1	15	16	9.27	11
43-9111	Statistical Assistants	149	157	8	5.4	1	1	2	13.37	10
43-9999	Secretaries, Admin. Asst., & Other Office Support	3,107	3,242	135	4.3	14	48	62	12.60	11

~ Education/Training Required Codes- Page n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Farming, Fishing, & Forestry Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth	Separations	Total		
<b>45-0000</b>	<b>Farming, Fishing, &amp; Forestry Occupations</b>	<b>7,151</b>	<b>7,926</b>	<b>775</b>	<b>10.8</b>	<b>78</b>	<b>180</b>	<b>258</b>	<b>n/a</b>	<b>n/a</b>
<b>45-1000</b>	<b>Supervisors, Farm, Fishing, &amp; Forestry</b>	<b>517</b>	<b>593</b>	<b>76</b>	<b>14.7</b>	<b>8</b>	<b>3</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>
45-1010	Supervisors, Farm, Fishing, & Forestry	517	593	76	14.7	8	3	11	n/a	n/a
45-1011	Supervisors, Farm, Fishing, & Forestry	486	572	86	17.7	9	3	12	15.62	10
<b>45-2000</b>	<b>Agricultural Workers</b>	<b>4,992</b>	<b>5,589</b>	<b>597</b>	<b>12.0</b>	<b>60</b>	<b>147</b>	<b>207</b>	<b>n/a</b>	<b>n/a</b>
45-2011	Agricultural Inspectors	173	179	6	3.5	1	4	5	17.52	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	12.23	n/a
45-2041	Graders and Sorters, Agricultural Products	477	438	-39	-8.2	0	11	11	8.61	8
45-2090	Miscellaneous Agricultural Workers	4,095	4,680	585	14.3	59	125	184	n/a	n/a
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	11.25	10
45-2092	Farmworkers & Laborers, Crop and Nursery	610	741	131	21.5	13	19	32	8.59	n/a
45-2093	Farmworkers, Farm and Ranch Animals	3,134	3,578	444	14.2	44	97	141	8.87	10
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
<b>45-3000</b>	<b>Fishing and Hunting Workers</b>	<b>249</b>	<b>271</b>	<b>22</b>	<b>8.8</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
45-3010	Fishers and Related Fishing Workers	249	271	22	8.8	2	3	5	n/a	n/a
<b>45-4000</b>	<b>Forest, Conservation &amp; Logging Workers</b>	<b>925</b>	<b>923</b>	<b>-2</b>	<b>-0.2</b>	<b>0</b>	<b>14</b>	<b>14</b>	<b>n/a</b>	<b>n/a</b>
45-4011	Forest and Conservation Workers	*	*	*	*	*	*	*	11.39	10
45-4020	Logging Workers	843	855	12	1.4	1	13	14	n/a	n/a
45-4021	Fallers	284	273	-11	-3.9	0	4	4	10.68	10
45-4022	Logging Equipment Operators	385	405	20	5.2	2	6	8	9.73	10
45-4023	Log Graders and Scalers	174	177	3	1.7	0	3	3	13.93	n/a
<b>45-9000</b>	<b>Other Farming, Fishing, &amp; Forestry</b>	<b>468</b>	<b>550</b>	<b>82</b>	<b>17.5</b>	<b>8</b>	<b>12</b>	<b>20</b>	<b>n/a</b>	<b>n/a</b>
45-9099	Farming, Fishing & Forestry Workers, All Other	468	550	82	17.5	8	12	20	8.55	11

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Construction & Extraction Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010 Growth Separations Total				
47-0000	Construction and Extraction Occupations	105,983	120,766	14,783	13.9	1,478	1,895	3,373	n/a	n/a
47-1000	Supervisors, Construction & Extraction	14,062	15,914	1,852	13.2	185	215	400	n/a	n/a
47-1011	Supervisors, Const. Trades & Extraction	14,062	15,914	1,852	13.2	185	215	400	21.25	8
47-2000	Construction Trades Workers	72,646	84,416	11,770	16.2	1,177	1,033	2,210	n/a	n/a
47-2011	Boilermakers	804	819	15	1.9	2	20	22	19.19	9
47-2020	Brickmasons, Blockmasons, and Stonemasons	1,793	2,123	330	18.4	33	25	58	n/a	n/a
47-2021	Brickmasons and Blockmasons	1,690	1,998	308	18.2	31	24	55	18.28	9
47-2022	Stonemasons	*	*	*	*	*	*	*	16.81	n/a
47-2031	Carpenters	12,910	14,943	2,033	15.7	203	163	366	14.99	9
47-2040	Carpet, Floor, and Tile Installers and Finishers	1,747	2,048	301	17.2	30	17	47	n/a	n/a
47-2041	Carpet Installers	824	987	163	19.8	16	8	24	13.40	10
47-2042	Floor Layers, Except Carpet, Wood, & Hard Tiles	*	*	*	*	*	*	*	19.74	10
47-2043	Floor Sanders and Finishers	131	153	22	16.8	2	1	3	12.13	10
47-2044	Tile and Marble Setters	519	595	76	14.6	8	5	13	20.57	n/a
47-2050	Cement Masons, Concrete Finishers, & Terrazzo	2,033	2,208	175	8.6	18	17	35	n/a	n/a
47-2051	Cement Masons and Concrete Finishers	1,976	2,150	174	8.8	17	16	33	13.78	9
47-2053	Terrazzo Workers and Finishers	*	*	*	*	*	*	*	12.76	n/a
47-2061	Construction Laborers	12,266	14,320	2,054	16.7	205	111	316	11.42	10
47-2070	Construction Equipment Operators	9,215	9,795	580	6.3	58	189	247	n/a	n/a
47-2071	Paving, Surfacing & Tamping Equip. Operators	874	1,010	136	15.6	14	17	31	14.00	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	13.81	10
47-2073	Operating Engineers & Other Const. Equip. Ops	8,215	8,636	421	5.1	42	170	212	16.29	10
47-2080	Drywall and Ceiling Tile Installers, and Tapers	1,213	1,405	192	15.8	19	10	29	n/a	n/a
47-2081	Drywall and Ceiling Tile Installers	953	1,111	158	16.6	16	8	24	14.07	10
47-2082	Tapers	260	294	34	13.1	3	2	5	15.51	10
47-2111	Electricians	10,384	12,976	2,592	25.0	259	182	441	18.69	9
47-2121	Glaziers	587	711	124	21.1	12	11	23	12.71	9
47-2130	Insulation Workers	411	430	19	4.6	2	13	15	14.06	10
47-2140	Painters and Paperhangers	5,145	5,992	847	16.5	85	52	137	n/a	n/a
47-2141	Painters, Construction and Maintenance	4,757	5,534	777	16.3	78	49	127	12.35	10
47-2142	Paperhangers	388	458	70	18.0	7	3	10	14.46	10

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Construction & Extraction Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
47-2150	Pipelayers, Plumbers, Pipefitters, & Steamfitters	7,299	8,405	1,106	15.2	111	107	218	n/a	n/a
47-2151	Pipelayers	833	990	157	18.8	16	12	28	13.85	10
47-2152	Plumbers, Pipefitters, and Steamfitters	6,466	7,415	949	14.7	95	95	190	19.06	9
47-2160	Plasterers and Stucco Masons	428	485	57	13.3	6	7	13	n/a	n/a
47-2161	Plasterers and Stucco Masons	*	*	*	*	*	*	*	11.10	9
47-2171	Reinforcing Iron and Rebar Workers	447	530	83	18.6	8	5	13	21.48	9
47-2181	Roofers	1,793	2,090	297	16.6	30	31	61	13.75	10
47-2211	Sheet Metal Workers	3,067	3,861	794	25.9	79	63	142	14.75	10
47-2221	Structural Iron and Steel Workers	1,104	1,275	171	15.5	17	12	29	18.24	9
47-3000	Helpers, Construction Trades	6,430	7,414	984	15.3	98	316	414	n/a	n/a
47-3010	Helpers, Construction Trades	6,430	7,414	984	15.3	98	316	414	n/a	n/a
47-3011	Helpers, Brick, Blockm, Stone,Tile, and Marble	1,063	1,205	142	13.4	14	52	66	12.31	11
47-3012	Helpers, Carpenters	1,000	1,090	90	9.0	9	49	58	9.45	11
47-3013	Helpers, Electricians	1,951	2,343	392	20.1	39	96	135	10.04	11
47-3014	Helpers, Paint, Paper, Plaster, and Stucco	115	129	14	12.2	1	6	7	9.26	11
47-3015	Helpers, Pipe, Plumbers and Steamfitters	1,614	1,828	214	13.3	21	79	100	10.74	11
47-3016	Helpers, Roofers	348	400	52	14.9	5	17	22	9.64	11
47-3019	Helpers, Construction Trades, All Other	339	419	80	23.6	8	16	24	9.72	n/a
47-4000	Other Construction and Related Workers	6,887	8,162	1,275	18.5	128	121	249	n/a	n/a
47-4011	Construction and Building Inspectors	697	957	260	37.3	26	15	41	17.30	8
47-4021	Elevator Installers and Repairers	*	*	*	*	*	*	*	22.54	9
47-4031	Fence Erectors	540	579	39	7.2	4	8	12	12.49	10
47-4041	Hazardous Materials Removal Workers	412	564	152	36.9	15	13	28	13.91	10
47-4051	Highway Maintenance Workers	2,839	3,186	347	12.2	35	41	76	10.14	10
47-4061	Rail-Track Laying & Maintenance Equip. Ops	313	172	-141	-45.0	0	7	7	17.68	10
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	*	*	*	*	*	*	*	13.38	n/a
47-4090	Miscellaneous Construction & Related Workers	1,624	2,151	527	32.5	53	26	79	n/a	n/a
47-4099	Construction and Related Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
47-4999	Construction Trades & Related Work, All Other	1,616	2,141	525	32.5	53	26	79	16.20	8
47-5000	Extraction Workers	5,958	4,860	-1,098	-18.4	0	210	210	n/a	n/a
47-5010	Derrick, Rotary Drill, Service Unit Ops, Oil & Gas	241	250	9	3.7	1	8	9	n/a	n/a
47-5011	Derrick Operators, Oil and Gas	*	*	*	*	*	*	*	n/a	n/a
47-5012	Rotary Drill Operators, Oil and Gas	*	*	*	*	*	*	*	10.59	n/a
47-5013	Service Unit Operators, Oil, Gas, and Mining	*	*	*	*	*	*	*	10.32	n/a

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Construction & Extraction Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
47-5021	Earth Drillers, Except Oil and Gas	614	641	27	4.4	3	10	13	13.51	10
47-5031	Explosives, Ordnance Handling Experts, Blaster	524	480	-44	-8.4	0	18	18	14.56	n/a
47-5040	Mining Machine Operators	1,703	1,309	-394	-23.1	0	60	60	n/a	n/a
47-5041	Continuous Mining Machine Operators	1,346	1,028	-318	-23.6	0	47	47	15.72	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	14.70	n/a
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	18.27	n/a
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	14.85	n/a
47-5061	Roof Bolters, Mining	1,181	896	-285	-24.1	0	41	41	15.35	n/a
47-5071	Roustabouts, Oil and Gas	103	92	-11	-10.7	0	4	4	15.67	n/a
47-5081	Helpers--Extraction Workers	1,292	964	-328	-25.4	0	58	58	13.70	n/a
47-5099	Extraction Workers, All Other	281	212	-69	-24.6	0	10	10	15.88	n/a

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Installation, Maintenance, & Repair Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
49-0000	Installation, Maintenance, & Repair Occs.	88,793	100,903	12,110	13.6	1,211	1,830	3,041	n/a	n/a
49-1000	Supervisors, Installation, Maint. & Repair	7,421	8,643	1,222	16.5	122	188	310	n/a	n/a
49-1011	Supervisors, Mech., Install. & Repair	7,421	8,643	1,222	16.5	122	188	310	20.96	8
49-2000	Electrical & Electronic Equip. Mechanics	8,140	9,441	1,301	16.0	130	131	261	n/a	n/a
49-2011	Computer, Auto. Teller, & Office Machine Repair	*	*	*	*	*	*	*	15.00	7
49-2020	Radio & Telecommunications Equip. Installers	1,464	1,466	2	0.1	0	26	26	n/a	n/a
49-2021	Radio Mechanics	*	*	*	*	*	*	*	18.48	7
49-2022	Telecomm. Equip. Install, Repair, Ex. Line Install	1,434	1,435	1	0.1	0	26	26	18.86	7
49-2090	Misc. Electrical and Electronic Equip. Mechanics	3,868	4,356	488	12.6	49	76	125	n/a	n/a
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	n/a
49-2092	Electric Motor, Power Tool & Related Repairers	512	642	130	25.4	13	11	24	16.17	7
49-2093	Elect. & Electronics Install. & Repair, Transp.	*	*	*	*	*	*	*	17.05	7
49-2094	Elect. & Electronics Repair, Commerc. & Indust.	1,261	1,430	169	13.4	17	25	42	20.66	7
49-2095	Electric Repair, Powerhouse, Substation	137	147	10	7.3	1	3	4	20.68	7
49-2096	Elect. Equip. Installer & Repairer, Motor Vehicle	*	*	*	*	*	*	*	12.08	n/a
49-2097	Elect. Home Entertain. Equip. Install. & Repair	564	609	45	8.0	5	9	14	12.27	7
49-2098	Security and Fire Alarm Systems Installers	343	428	85	24.8	9	6	15	13.58	7
49-2099	Other Elect. & Electronic Equip. Mech., Installers	373	442	69	18.5	7	9	16	17.10	7
49-3000	Vehicle & Mobile Equip. Mechanics	27,980	32,898	4,918	17.6	492	636	1,128	n/a	n/a
49-3011	Aircraft Mechanics and Service Technicians	*	*	*	*	*	*	*	20.00	7
49-3020	Automotive Technicians and Repairers	13,514	16,042	2,528	18.7	253	276	529	n/a	n/a
49-3021	Automotive Body and Related Repairers	2,388	2,832	444	18.6	44	52	96	14.98	9
49-3022	Automotive Glass Installers and Repairers	364	420	56	15.4	6	9	15	16.29	9
49-3023	Automotive Service Technicians and Mechanics	10,762	12,790	2,028	18.8	203	215	418	12.38	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	4,663	5,219	556	11.9	56	116	172	14.74	7
49-3040	Heavy Vehicle & Mobile Equip. Service Techs	3,685	3,842	157	4.3	16	93	109	n/a	n/a
49-3041	Farm Equipment Mechanics	752	760	8	1.1	1	19	20	11.83	7
49-3042	Mobile Heavy Equipment Mech., Ex. Engines	2,471	2,785	314	12.7	31	62	93	17.09	7
49-3043	Rail Car Repairers	462	297	-165	-35.7	0	12	12	17.57	9

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Installation, Maintenance, & Repair Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
49-3050	Small Engine Mechanics	1,121	1,324	203	18.1	20	22	42	n/a	n/a
49-3051	Motorboat Mechanics	220	248	28	12.7	3	5	8	12.13	9
49-3052	Motorcycle Mechanics	271	321	50	18.5	5	5	10	10.16	9
49-3053	Outdoor Power Equip. & Small Engine Mech.	630	755	125	19.8	13	13	26	10.01	10
49-3090	Misc. Vehicle & Mobile Equip. Mechanics	1,437	1,547	110	7.7	11	55	66	n/a	n/a
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	10.15	n/a
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	12.66	9
49-3093	Tire Repairers and Changers	1,210	1,268	58	4.8	6	46	52	9.38	11
49-3099	Other Vehicle & Mobile Equip. Mechanics, Install.	*	*	*	*	*	*	*	13.27	10
49-9000	Other Installation, Maintenance & Repair	45,252	49,921	4,669	10.3	467	875	1,342	n/a	n/a
49-9010	Control and Valve Installers and Repairers	1,104	1,313	209	18.9	21	36	57	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	13.61	n/a
49-9012	Control, Valve Install & Repair, Ex. Mech. Door	925	1,105	180	19.5	18	30	48	14.41	10
49-9021	Heating, Air Cond., Refrigeration Mech. & Install.	2,918	3,875	957	32.8	96	26	122	13.96	9
49-9031	Home Appliance Repairers	489	861	372	76.1	37	8	45	13.38	9
49-9040	Industrial Machinery Installation, Repair, & Maint.	29,843	31,305	1,462	4.9	146	513	659	n/a	n/a
49-9041	Industrial Machinery Mechanics	5,087	5,660	573	11.3	57	128	185	17.96	9
49-9042	Maintenance and Repair Workers, General	21,719	22,457	738	3.4	74	300	374	14.09	9
49-9043	Maintenance Workers, Machinery	1,746	1,731	-15	-0.9	0	47	47	14.64	9
49-9044	Millwrights	*	*	*	*	*	*	*	21.16	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	18.20	n/a
49-9050	Line Installers and Repairers	3,338	3,833	495	14.8	50	91	141	n/a	n/a
49-9051	Electrical Power-Line Installers and Repairers	2,070	2,321	251	12.1	25	67	92	19.84	9
49-9052	Telecommunications Line Installers & Repairer	1,268	1,512	244	19.2	24	24	48	16.01	9
49-9060	Precision Instrument and Equipment Repairers	1,131	1,364	233	20.6	23	22	45	n/a	n/a
49-9061	Camera and Photographic Equipment Repairer	*	*	*	*	*	*	*	17.72	n/a
49-9062	Medical Equipment Repairers	551	723	172	31.2	17	11	28	16.54	10
49-9063	Musical Instrument Repairers and Tuners	*	*	*	*	*	*	*	10.50	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	10.11	n/a
49-9069	Precision Instrument & Equip. Repair, All Other	342	376	34	9.9	3	7	10	21.18	9

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Installation, Maintenance, & Repair Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
49-9090	Misc. Installation, Maint. & Repair Worker	6,429	7,370	941	14.6	94	180	274	n/a	n/a
49-9091	Coin, Vending, & Amusement Machine Servicer	418	433	15	3.6	2	9	11	12.38	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	40.94	n/a
49-9093	Fabric Menders, Except Garment	*	*	*	*	*	*	*	13.16	n/a
49-9094	Locksmiths and Safe Repairers	322	385	63	19.6	6	7	13	13.07	10
49-9095	Manufactured Building & Mobile Home Installers	577	685	108	18.7	11	10	21	10.82	10
49-9096	Riggers	194	219	25	12.9	3	4	7	21.10	11
49-9097	Signal and Track Switch Repairers	181	121	-60	-33.1	0	4	4	20.93	9
49-9098	Helpers--Installation, Maintenance, and Repair	1,858	2,101	243	13.1	24	94	118	11.27	11
49-9099	Installation, Maintenance, and Repair , All Other	2,657	3,105	448	16.9	45	48	93	16.95	9

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Production Occupations

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
51-0000	Production Occupations	230,386	253,550	23,164	10.1	2,316	5,001	7,317	n/a	n/a
51-1000	Supervisors, Production Workers	13,976	14,870	894	6.4	89	358	447	n/a	n/a
51-1011	Supervisors of Production & Operating	13,976	14,870	894	6.4	89	358	447	20.17	8
51-2000	Assemblers and Fabricators	54,104	61,185	7,081	13.1	708	988	1,696	n/a	n/a
51-2011	Aircraft Structure, Surfaces, Systems Assembler	*	*	*	*	*	*	*	12.87	n/a
51-2020	Electrical, Electronic, & Electromech. Assembler	6,309	5,934	-375	-5.9	0	161	161	n/a	n/a
51-2021	Coil Winders, Tapers, and Finishers	1,273	1,359	86	6.8	9	33	42	10.47	11
51-2022	Electrical and Electronic Equipment Assemblers	3,549	3,117	-432	-12.2	0	91	91	11.43	11
51-2023	Electromechanical Equipment Assemblers	1,487	1,458	-29	-2.0	0	38	38	11.14	11
51-2031	Engine and Other Machine Assemblers	1,690	1,862	172	10.2	17	34	51	10.49	11
51-2041	Structural Metal Fabricators and Fitters	1,527	1,811	284	18.6	28	24	52	12.75	10
51-2090	Miscellaneous Assemblers and Fabricators	44,519	51,507	6,988	15.7	699	767	1,466	n/a	n/a
51-2091	Fiberglass Laminators and Fabricators	*	*	*	*	*	*	*	10.99	10
51-2092	Team Assemblers	31,169	35,091	3,922	12.6	392	538	930	15.42	10
51-2093	Timing Device Assembler, Adjuster & Calibrator	*	*	*	*	*	*	*	n/a	n/a
51-2099	Assemblers and Fabricators, All Other	13,022	16,022	3,000	23.0	300	224	524	11.81	10
51-3000	Food Processing Workers	10,789	12,208	1,419	13.2	142	239	381	n/a	n/a
51-3011	Bakers	1,641	1,879	238	14.5	24	25	49	9.45	9
51-3020	Butchers & Other Meat, Poultry, & Fish Process.	6,144	6,887	743	12.1	74	147	221	n/a	n/a
51-3021	Butchers and Meat Cutters	2,053	1,713	-340	-16.6	0	49	49	11.09	9
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	*	*	*	*	*	*	*	8.81	11
51-3023	Slaughterers and Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3090	Miscellaneous Food Processing Workers	3,004	3,442	438	14.6	44	67	111	n/a	n/a
51-3091	Food & Tobacco Roasting, Baking, & Drying	595	582	-13	-2.2	0	14	14	11.53	11
51-3092	Food Batchmakers	862	1,005	143	16.6	14	21	35	12.37	11
51-3093	Food Cooking Machine Operators and Tenders	830	992	162	19.5	16	15	31	10.93	11
51-3099	Food Processing Workers, All Other	*	*	*	*	*	*	*	8.54	11
51-4000	Metal Workers and Plastic Workers	52,773	59,875	7,102	13.5	710	1,256	1,966	n/a	n/a
51-4010	Computer Control Programmers and Operators	3,891	4,777	886	22.8	89	138	227	n/a	n/a
51-4011	Computer-Controlled Machine Tool Operators	3,457	4,237	780	22.6	78	123	201	12.95	9
51-4012	Numerical Tool & Process Control Programmer	434	540	106	24.4	11	15	26	16.03	9

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Production Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage	Educ/ Training
Code	Title	2000	2010	2000-2010		Average Annual 2000-2010				
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	Req'd~
51-4020	Forming Machine Setters, Operators, & Tenders	5,327	5,787	460	8.6	46	138	184	n/a	n/a
51-4021	Extruding, Drawing Mach. Setter, Ops. & Tender	3,387	3,766	379	11.2	38	75	113	12.76	10
51-4022	Forging Machine Setters, Operators, & Tenders	786	823	37	4.7	4	26	30	11.51	n/a
51-4023	Rolling Machine Setters, Operators, & Tenders	1,154	1,198	44	3.8	4	38	42	16.35	10
51-4030	Machine Tool Cutting Setter, Operator & Tender	12,250	12,492	242	2.0	24	287	311	n/a	n/a
51-4031	Cutting, Punching & Press Machince Setters	8,029	8,165	136	1.7	14	157	171	11.69	10
51-4032	Drilling, Boring Machine Tool Setter & Operator	1,211	1,210	-1	-0.1	0	40	40	12.62	10
51-4033	Grinding, Lapping, Polishing, & Buffing Mach.	1,718	1,890	172	10.0	17	42	59	11.76	10
51-4034	Lathe & Turning Machine Tool Setter & Operator	955	937	-18	-1.9	0	38	38	13.34	10
51-4035	Milling & Planing Machine Setters & Operators	337	290	-47	-13.9	0	11	11	13.88	10
51-4041	Machinists	5,487	6,280	793	14.5	79	111	190	14.98	9
51-4050	Metal Furnace and Kiln Operators and Tenders	991	1,081	90	9.1	9	27	36	n/a	n/a
51-4051	Metal-Refining Furnace Operators and Tenders	598	633	35	5.9	4	17	21	14.13	10
51-4052	Pourers and Casters, Metal	393	448	55	14.0	6	11	17	14.39	10
51-4060	Model Makers & Patternmakers, Metal & Plastic	201	169	-32	-15.9	0	6	6	n/a	n/a
51-4061	Model Makers, Metal and Plastic	*	*	*	*	*	*	*	19.70	10
51-4062	Patternmakers, Metal and Plastic	107	96	-11	-10.3	0	3	3	13.55	10
51-4070	Molders & Molding Machine Setters & Operators	5,772	6,226	454	7.9	45	117	162	n/a	n/a
51-4071	Foundry Mold and Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Mach. Setters	5,540	5,969	429	7.7	43	113	156	11.42	10
51-4081	Multiple Machine Tool Setter, Operator, Tender	4,170	5,557	1,387	33.3	139	64	203	15.80	10
51-4111	Tool and Die Makers	2,784	3,193	409	14.7	41	69	110	18.75	9
51-4120	Welding, Soldering, and Brazing Workers	8,464	10,497	2,033	24.0	203	227	430	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	7,270	9,106	1,836	25.3	184	195	379	13.36	7
51-4122	Welding, Soldering & Brazing Machine Setters	1,194	1,391	197	16.5	20	32	52	13.22	10
51-4190	Miscellaneous Metalworkers & Plastic Workers	3,436	3,816	380	11.1	38	72	110	n/a	n/a
51-4191	Heat Treating Equip. Setter, Operator & Tender	871	910	39	4.5	4	18	22	13.31	10
51-4192	Lay-Out Workers, Metal and Plastic	214	208	-6	-2.8	0	6	6	13.49	10
51-4193	Plating & Coating Machine Setter, Ops., Tender	736	769	33	4.5	3	15	18	11.76	10
51-4194	Tool Grinders, Filers, and Sharpeners	433	449	16	3.7	2	11	13	13.95	n/a
51-4199	Metal Workers and Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	10
51-5000	Printing Workers	8,907	10,167	1,260	14.1	126	221	347	n/a	n/a
51-5010	Bookbinders and Bindery Workers	2,277	2,896	619	27.2	62	60	122	n/a	n/a
51-5011	Bindery Workers	2,037	2,595	558	27.4	56	54	110	10.75	10

~ Education/Training Required Codes- Page

n/a - Not Available

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Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Production Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
51-5012	Bookbinders	*	*	*	*	*	*	*	14.34	n/a
51-5020	Printers	6,535	7,180	645	9.9	65	159	224	n/a	n/a
51-5021	Job Printers	817	986	169	20.7	17	20	37	13.11	9
51-5022	Prepress Technicians and Workers	1,620	1,496	-124	-7.7	0	40	40	13.80	9
51-5023	Printing Machine Operators	4,098	4,698	600	14.6	60	100	160	14.13	10
51-5099	Printing Workers, All Other	*	*	*	*	*	*	*	11.49	n/a
51-6000	Textile, Apparel, and Furnishings Workers	23,437	20,954	-2,483	-10.6	0	349	349	n/a	n/a
51-6011	Laundry and Dry-Cleaning Workers	3,437	3,854	417	12.1	42	84	126	7.50	10
51-6021	Pressers, Textile, Garment & Related Materials	1,908	1,873	-35	-1.8	0	26	26	8.15	11
51-6031	Sewing Machine Operators	12,167	9,015	-3,152	-25.9	0	126	126	8.86	10
51-6040	Shoe and Leather Workers	180	169	-11	-6.1	0	5	5	n/a	n/a
51-6041	Shoe and Leather Workers and Repairers	*	*	*	*	*	*	*	8.37	9
51-6042	Shoe Machine Operators and Tenders	*	*	*	*	*	*	*	n/a	n/a
51-6050	Tailors, Dressmakers, and Sewers	895	858	-37	-4.1	0	13	13	n/a	n/a
51-6051	Sewers, Hand	*	*	*	*	*	*	*	8.11	11
51-6052	Tailors, Dressmakers, and Custom Sewers	468	463	-5	-1.1	0	7	7	9.02	8
51-6060	Textile Machine Setters, Operators, and Tenders	3,261	3,671	410	12.6	41	57	98	n/a	n/a
51-6061	Textile Bleaching, Dyeing Mach. Ops, Tenders	406	504	98	24.1	10	8	18	8.45	n/a
51-6062	Textile Cutting Mach. Setter, Operator, Tender	*	*	*	*	*	*	*	8.98	10
51-6063	Textile Knitting & Weaving Mach. Setters & Oper.	670	473	-197	-29.4	0	11	11	11.64	9
51-6064	Textile Wind, Twist, Drawing Out Mach. Setters	127	126	-1	-0.8	0	3	3	9.54	n/a
51-6090	Misc. Textile, Apparel, and Furnishings Workers	1,589	1,514	-75	-4.7	0	39	39	n/a	n/a
51-6091	Extruding, Forming Machine Setters & Operators	414	418	4	1.0	0	10	10	12.42	10
51-6092	Fabric and Apparel Patternmakers	129	83	-46	-35.7	0	4	4	12.04	9
51-6093	Upholsterers	567	545	-22	-3.9	0	15	15	11.70	n/a
51-6099	Textile, Apparel & Furnishings Workers, All Other	479	468	-11	-2.3	0	10	10	9.36	10
51-7000	Woodworkers	7,406	9,184	1,778	24.0	178	255	433	n/a	n/a
51-7011	Cabinetmakers and Bench Carpenters	2,604	3,387	783	30.1	78	75	153	10.67	9
51-7021	Furniture Finishers	257	325	68	26.5	7	9	16	10.73	9
51-7030	Model Makers and Patternmakers, Wood	106	145	39	36.8	4	4	8	n/a	n/a
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	9.80	n/a
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	11.98	n/a

~ Education/Training Required Codes- Page

n/a - Not Available

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Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

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## Production Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
51-7040	Woodworking Machine Setters, Oper. & Tenders	4,131	4,938	807	19.5	81	157	238	n/a	n/a
51-7041	Sawing Machine Setters, Operators & Tenders	1,692	2,074	382	22.6	38	62	100	9.59	10
51-7042	Woodworking Mach. Setter, Operator, Ex. Sawing	2,439	2,864	425	17.4	43	95	138	10.20	10
51-7090	Miscellaneous Woodworkers	*	*	*	*	*	*	*	n/a	n/a
51-7099	Woodworkers, All Other	*	*	*	*	*	*	*	9.58	10
<b>51-8000</b>	<b>Plant and System Operators</b>	<b>6,273</b>	<b>6,792</b>	<b>519</b>	<b>8.3</b>	<b>52</b>	<b>191</b>	<b>243</b>	<b>n/a</b>	<b>n/a</b>
51-8010	Power Plant Operator, Distributor & Dispatcher	576	547	-29	-5.0	0	17	17	n/a	n/a
51-8012	Power Distributors and Dispatchers	101	86	-15	-14.9	0	3	3	27.41	n/a
51-8013	Power Plant Operators	475	461	-14	-2.9	0	14	14	20.81	9
51-8021	Stationary Engineers and Boiler Operators	744	713	-31	-4.2	0	21	21	18.78	9
51-8031	Water & Liquid Waste Treat. Plant & Syst. Ops.	2,302	2,994	692	30.1	69	73	142	13.46	9
51-8090	Miscellaneous Plant and System Operators	2,651	2,538	-113	-4.3	0	80	80	n/a	n/a
51-8091	Chemical Plant and System Operators	1,748	1,775	27	1.5	3	53	56	20.84	9
51-8092	Gas Plant Operators	198	176	-22	-11.1	0	6	6	19.98	9
51-8093	Petroleum Pump System Ops, Refinery Ops.	*	*	*	*	*	*	*	n/a	n/a
51-8099	Plant and System Operators, All Other	270	275	5	1.9	1	8	9	16.75	n/a
<b>51-9000</b>	<b>Other Production Occupations</b>	<b>52,721</b>	<b>58,315</b>	<b>5,594</b>	<b>10.6</b>	<b>559</b>	<b>1,146</b>	<b>1,705</b>	<b>n/a</b>	<b>n/a</b>
51-9010	Chemical Process. Mach. Setters, Ops, Tenders	2,036	2,317	281	13.8	28	48	76	n/a	n/a
51-9011	Chemical Equipment Operators and Tenders	1,544	1,814	270	17.5	27	36	63	22.32	10
51-9012	Separate, Filter, Clarify, Precip. & Still Mach.	492	503	11	2.2	1	12	13	14.45	10
51-9020	Crushing, Grinding, Polishing, Mixing, Blending	3,751	4,294	543	14.5	54	81	135	n/a	n/a
51-9021	Crushing, Grinding & Polishing Mach. Setter	883	1,027	144	16.3	14	19	33	12.13	10
51-9022	Grinding and Polishing Workers, Hand	757	963	206	27.2	21	16	37	10.88	10
51-9023	Mixing & Blending Mach. Setter, Oper. & Tenders	2,111	2,304	193	9.1	19	46	65	13.20	10
51-9030	Cutting Workers	2,987	3,227	240	8.0	24	53	77	n/a	n/a
51-9031	Cutters and Trimmers, Hand	903	1,034	131	14.5	13	16	29	14.28	11
51-9032	Cutting & Slicing Mach. Setter, Operator, Tender	2,084	2,193	109	5.2	11	37	48	13.40	10
51-9041	Extruding, Forming, Pressing, Compacting Mach	1,365	1,566	201	14.7	20	31	51	12.76	10
51-9051	Furnace, Kiln, Oven, Drier, & Kettle Operators	839	948	109	13.0	11	23	34	15.52	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	10,552	10,299	-253	-2.4	0	231	231	13.81	10
51-9071	Jewelers and Precious Stone and Metal Workers	276	280	4	1.4	0	6	6	13.89	7

~ Education/Training Required Codes- Page

n/a - Not Available

\* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Production Occupations (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
51-9080	Medical, Dental & Ophthalmic Lab Technicians	661	681	20	3.0	2	17	19	n/a	n/a
51-9081	Dental Laboratory Technicians	386	379	-7	-1.8	0	10	10	12.99	n/a
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	13.44	9
51-9083	Ophthalmic Laboratory Technicians	247	265	18	7.3	2	7	9	10.55	n/a
51-9111	Packaging & Filling Machine Operator & Tender	5,462	6,256	794	14.5	79	120	199	11.49	11
51-9120	Painting Workers	4,705	5,838	1,133	24.1	113	100	213	n/a	n/a
51-9121	Coating, Painting & Spraying Machine Setters	2,674	3,150	476	17.8	48	57	105	12.10	10
51-9122	Painters, Transportation Equipment	1,723	2,326	603	35.0	60	37	97	19.25	10
51-9123	Painting, Coating, and Decorating Workers	308	362	54	17.5	5	7	12	12.94	11
51-9130	Photographic Process & Processing Mach. Ops	825	958	133	16.1	13	21	34	n/a	n/a
51-9131	Photographic Process Workers	282	299	17	6.0	2	7	9	9.05	10
51-9132	Photographic Processing Machine Operators	*	*	*	*	*	*	*	8.46	11
51-9141	Semiconductor Processors	*	*	*	*	*	*	*	n/a	n/a
51-9190	Miscellaneous Production Workers	19,240	21,632	2,392	12.4	239	414	653	n/a	n/a
51-9191	Cementing & Gluing Machine Operator & Tender	464	475	11	2.4	1	11	12	10.49	n/a
51-9192	Cleaning, Washing, & Metal Pickling Equip. Ops.	452	398	-54	-11.9	0	11	11	10.89	n/a
51-9193	Cooling & Freezing Equipment Ops & Tenders	*	*	*	*	*	*	*	9.24	10
51-9194	Etchers and Engravers	104	110	6	5.8	1	2	3	12.91	9
51-9195	Molders, Shapers, & Casters, Ex. Metal & Plastic	598	646	48	8.0	5	14	19	9.71	10
51-9196	Paper Goods Machine Setter, Operator, Tender	2,047	2,186	139	6.8	14	40	54	13.68	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	8,901	9,841	940	10.6	94	223	317	11.71	11
51-9199	Production Workers, All Other	6,255	7,590	1,335	21.3	134	106	240	15.21	10

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Transportation & Material Moving Occs

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
53-0000	Transportation & Material Moving Occs.	164,779	190,529	25,750	15.6	2,575	3,829	6,404	n/a	n/a
53-1000	Supervisors, Transp. & Material Moving	5,295	6,651	1,356	25.6	136	111	247	n/a	n/a
53-1010	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	n/a
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	20.77	8
53-1021	Supervisors, Helpers, Laborers, Hand	2,293	2,842	549	23.9	55	48	103	17.60	8
53-1031	Supervisors, Transp. of Materials	2,929	3,708	779	26.6	78	61	139	19.15	8
53-2000	Air Transportation Workers	4,966	6,163	1,197	24.1	120	121	241	n/a	n/a
53-2010	Aircraft Pilots and Flight Engineers	4,584	5,752	1,168	25.5	117	105	222	n/a	n/a
53-2011	Airline Pilots, Copilots, and Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	158	196	38	24.1	4	3	7	n/a	7
53-2020	Air Traffic Controller & Airfield Oper. Specialists	382	411	29	7.6	3	16	19	n/a	n/a
53-2021	Air Traffic Controllers	312	305	-7	-2.2	0	13	13	37.19	n/a
53-2022	Airfield Operations Specialists	*	*	*	*	*	*	*	n/a	n/a
53-2099	Air Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
53-3000	Motor Vehicle Operators	65,494	76,905	11,411	17.4	1,141	952	2,093	n/a	n/a
53-3011	Ambulance Drivers & Attendants, Ex. Emergency	*	*	*	*	*	*	*	8.70	n/a
53-3020	Bus Drivers	10,040	10,473	433	4.3	43	253	296	n/a	n/a
53-3021	Bus Drivers, Transit and Intercity	1,282	1,681	399	31.1	40	32	72	11.49	10
53-3022	Bus Drivers, School	8,758	8,792	34	0.4	3	222	225	11.35	11
53-3030	Driver/Sales Workers and Truck Drivers	51,499	61,459	9,960	19.3	996	657	1,653	n/a	n/a
53-3031	Driver/Sales Workers	5,293	5,669	376	7.1	38	67	105	12.51	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	28,050	32,955	4,905	17.5	491	359	850	14.94	10
53-3033	Truck Drivers, Light or Delivery Services	18,156	22,835	4,679	25.8	468	231	699	10.67	11
53-3041	Taxi Drivers and Chauffeurs	2,273	2,914	641	28.2	64	14	78	8.54	11
53-3099	Motor Vehicle Operators, All Other	1,547	1,879	332	21.5	33	26	59	9.39	11
53-4000	Rail Transportation Workers	2,266	1,696	-570	-25.2	0	101	101	n/a	n/a
53-4010	Locomotive Engineers and Operators	943	875	-68	-7.2	0	42	42	n/a	n/a
53-4011	Locomotive Engineers	861	803	-58	-6.7	0	39	39	25.10	11
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops & Hostlers	*	*	*	*	*	*	*	16.80	n/a
53-4021	Railroad Brake, Signal, and Switch Operators	439	174	-265	-60.4	0	20	20	23.98	8
53-4031	Railroad Conductors and Yardmasters	835	614	-221	-26.5	0	37	37	23.29	8

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



# Kentucky Statewide

## Transportation & Material Moving Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
53-4040	Subway and Streetcar Operators	*	*	*	*	*	*	*	n/a	n/a
53-4041	Subway and Streetcar Operators	*	*	*	*	*	*	*	n/a	11
53-4090	Miscellaneous Rail Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	21.65	11
<b>53-5000</b>	<b>Water Transportation Workers</b>	<b>2,017</b>	<b>2,068</b>	<b>51</b>	<b>2.5</b>	<b>5</b>	<b>68</b>	<b>73</b>	<b>n/a</b>	<b>n/a</b>
53-5011	Sailors and Marine Oilers	1,115	1,124	9	0.8	1	38	39	15.56	11
53-5020	Ship and Boat Captains and Operators	668	681	13	1.9	1	23	24	n/a	n/a
53-5021	Captains, Mates, and Pilots of Water Vessels	655	670	15	2.3	2	22	24	32.75	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	14.12	n/a
53-5031	Ship Engineers	234	263	29	12.4	3	8	11	24.31	7
53-5099	Water Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	n/a
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>3,504</b>	<b>3,700</b>	<b>196</b>	<b>5.6</b>	<b>20</b>	<b>138</b>	<b>158</b>	<b>n/a</b>	<b>n/a</b>
53-6011	Bridge and Lock Tenders	*	*	*	*	*	*	*	18.55	n/a
53-6021	Parking Lot Attendants	496	594	98	19.8	10	8	18	8.12	n/a
53-6031	Service Station Attendants	1,947	1,908	-39	-2.0	0	97	97	7.72	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	14.47	11
53-6051	Transportation Inspectors	490	538	48	9.8	5	11	16	17.43	8
53-6090	Miscellaneous Transportation Workers	474	589	115	24.3	12	18	30	n/a	n/a
53-6099	Transportation Workers, All Other	429	535	106	24.7	11	16	27	11.65	11
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>81,237</b>	<b>93,346</b>	<b>12,109</b>	<b>14.9</b>	<b>1,211</b>	<b>2,338</b>	<b>3,549</b>	<b>n/a</b>	<b>n/a</b>
53-7011	Conveyor Operators and Tenders	1,343	1,482	139	10.4	14	38	52	12.03	11
53-7021	Crane and Tower Operators	770	785	15	1.9	2	23	25	16.30	10
53-7030	Dredge, Excavating & Loading Mach. Operators	2,080	2,012	-68	-3.3	0	56	56	n/a	n/a
53-7031	Dredge Operators	*	*	*	*	*	*	*	12.26	n/a
53-7032	Excavating, Loading Mach. & Dragline Operators	1,492	1,532	40	2.7	4	41	45	13.99	10
53-7033	Loading Mach. Operators, Underground Mining	572	464	-108	-18.9	0	15	15	15.06	n/a
53-7041	Hoist and Winch Operators	212	239	27	12.7	3	4	7	15.00	10
53-7051	Industrial Truck and Tractor Operators	12,114	13,671	1,557	12.9	156	168	324	12.30	11
53-7060	Laborers and Material Movers, Hand	61,057	71,373	10,316	16.9	1,032	1,920	2,952	n/a	n/a
53-7061	Cleaners of Vehicles and Equipment	4,752	5,801	1,049	22.1	105	173	278	8.78	11
53-7062	Laborers, Freight, Stock & Material Movers, Hand	34,713	41,154	6,441	18.6	644	1,143	1,787	10.24	11
53-7063	Machine Feeders and Offbearers	5,930	5,634	-296	-5.0	0	205	205	10.29	11
53-7064	Packers and Packagers, Hand	15,662	18,784	3,122	19.9	312	398	710	8.57	11

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed  
Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch

# Kentucky Statewide

## Transportation & Material Moving Occs (cont'd)

### Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
53-7070	Pumping Station Operators	228	228	0	0.0	0	6	6	n/a	n/a
53-7071	Gas Compressor & Gas Pumping Station Oper.	*	*	*	*	*	*	*	20.35	n/a
53-7072	Pump Operators, Except Wellhead Pumpers	*	*	*	*	*	*	*	17.62	10
53-7073	Wellhead Pumpers	109	116	7	6.4	1	3	4	11.79	n/a
53-7081	Refuse and Recyclable Material Collectors	1,792	2,126	334	18.6	33	77	110	9.40	11
53-7111	Shuttle Car Operators	837	622	-215	-25.7	0	23	23	14.65	n/a
53-7121	Tank Car, Truck, and Ship Loaders	470	465	-5	-1.1	0	13	13	15.23	10
53-7199	Material Moving Workers, All Other	334	343	9	2.7	1	9	10	14.64	11

~ Education/Training Required Codes- Page      n/a - Not Available      \* Employment under 100 and unreliable data suppressed

Source: Education Cabinet, Department for Employment Services, Research and Statistics Branch



Occupational Title	SOC Code	Page Number
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Administrative Services Managers	11-3011	27
Advertising and Promotions Managers	11-2011	27
Advertising, Marketing, P.R., and Sales	11-2000	27
Agricultural Managers	11-9010	27
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Aerospace Engineers	17-2011	32
Agricultural Engineers	17-2021	32
Aerospace Engineering and Operations Techs	17-3021	33
Agricultural and Food Scientists	19-1010	34
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Agricultural Equipment Operators	45-2091	54
Agricultural Inspectors	45-2011	54
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Agricultural Workers, All Other	45-2099	54
Aircraft Mechanics and Service Technicians	49-3011	58
Aircraft Structure, Surfaces, Systems Assembler	51-2011	61
Air Traffic Controller & Airfield Oper. Specialists	53-2020	66
Air Traffic Controllers	53-2021	66
Air Transportation Workers	53-2000	66
Air Transportation Workers, All Other	53-2099	66
Aircraft Cargo Handling Supervisors	53-1010	66
Aircraft Cargo Handling Supervisors	53-1011	66
Aircraft Pilots and Flight Engineers	53-2010	66
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Occupational Title	SOC Code	Page Number
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Appraisers and Assessors of Real Estate	13-2021	29
Architects, Except Landscape and Naval	17-1011	32
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Astronomers	19-2011	34
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Atmospheric, Earth, Marine, Space Sci. Teach.	25-1051	38
Art, Drama & Music Teachers, Postsecondary	25-1121	39
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Archivists, Curators, and Museum Technicians	25-4010	40
Audio-Visual Collections Specialists	25-9011	40
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Art and Design Workers, All Other	27-1099	41
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Artists and Related Workers	27-1010	41
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Audio and Video Equipment Technicians	27-4011	42
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Occupational Title	SOC Code	Page Number
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Automotive Glass Installers and Repairers	49-3022	58
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Occupational Therapist Assistants	31-2011	45
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Painters, Construction and Maintenance	47-2141	55
Painters, Transportation Equipment	51-9122	65
Painting Workers	51-9120	65
Painting, Coating, and Decorating Workers	51-9123	65
Paper Goods Machine Setter, Operator, Tender	51-9196	65
Paperhangers	47-2142	55
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Plant and System Operators, All Other	51-8099	64
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Plasterers and Stucco Masons	47-2161	56
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Preschool Teachers, Except Special Education	25-2011	39
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Supervisors, Construction & Extraction	47-1000	55
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Supervisors, Farm, Fishing, & Forestry	45-1000	54
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Supervisors, Housekeeping & Janitors	37-1011	48
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Tax Preparers	13-2082	30
Taxi Drivers and Chauffeurs	53-3041	66
Teacher Assistants	25-9041	40
Teachers, Primary, Secondary, Adult, All Other	25-3999	40
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Telephone Operators	43-2021	52
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Textile Cutting Mach. Setter, Operator, Tender	51-6062	63
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Tire Builders	51-9197	65
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Water Transportation Workers, All Other	53-5099	67
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Welders, Cutters, Solderers, and Brazers	51-4121	62
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## Appendix 1 Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

### Postsecondary awards

**First professional degree.** Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

**Doctoral degree.** Completion of a Ph.D. or other doctoral degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

**Master's degree.** Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

**Bachelor's or higher degree, plus work experience.** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

**Bachelor's degree.** Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

**Associate degree.** Completion of the degree usually requires at least 2 years of full-time academic study.

**Postsecondary vocational awards.** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

### Work-related training

**Work experience in a related occupation.** Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

**Long-term on-the-job training.** More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—

trainees take formal courses, often provided on the job site, to prepare for the required licensing exams on the job site. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, athletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

***Moderate-term on-the-job training.*** Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

***Short-term on-the-job training.*** Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.